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OM nucleic - nucleic search, using sw model

Run on: June 9, 2003, 06:43:13 ; Search time 109.901 Seconds
(without alignments)
5580.964 Million cell updates/sec

Title: US-09-924-400-302
Perfect score: 2000
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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patente NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	2000	100.0	2000	4	US-09-439-313-374
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4	1940	97.0	2040	4	US-09-605-785-375
5	1940	97.0	2040	4	US-09-439-313-375
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9	1147.6	57.4	1853	4	US-09-352-616A-369
10	1147.6	57.4	1853	4	US-09-062-451-295
11	1131.6	56.6	1155	4	US-09-605-785-373
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13	1131.6	56.6	1155	4	US-09-352-616A-373
14	912.8	45.6	1852	4	US-09-605-785-530
15	912.8	45.6	1852	4	US-09-439-313-530
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17	900.8	45.0	1851	4	US-09-605-785-366
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25	888	44.4	2184	4	US-09-352-616A-370
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27	804.8	40.2	1512	4	US-09-439-313-368

Sequence 294, App
Sequence 368, App
Sequence 531, App
Sequence 371, App
Sequence 371, App
Sequence 297, App
Sequence 372, App
Sequence 372, App
Sequence 372, App
Sequence 211, App
Sequence 211, App
Sequence 211, App
Sequence 367, App
Sequence 367, App
Sequence 293, App
Sequence 367, App

ALIGNMENTS

RESULT 1
US-09-605-785-374
; Sequence 374, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqun
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C16

CURRENT APPLICATION NUMBER: US/09/605,785

CURRENT FILING DATE: 2000-06-27

NUMBER OF SEQ ID NOS: 835

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 374

LENGTH: 2000

TYPE: DNA

ORGANISM: Homo sapien

US-09-605-785-374

Query Match 100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGTTGGTTGAGTTGATTCCATGCCGCTGCTCTTCTGTGAAGAAGCAATTTGGTCTC 60
DB 1 ATGTTGGTTGAGTTGATTCCATGCCGCTGCTCTTCTGTGAAGAAGCAATTTGGTCTC 60
QY 61 AGGACCAAGATGGCAACTGGTGTGCTGCCCTGCTGCAGGAGAGCGGCAAG 120
DB 61 AGGACCAAGATGGCAACTGGTGTGCTGCCCTGCTGCAGGAGAGCGGCAAG 120
QY 121 AGCACGTGGGCACCTTCTGGAGACCCACGACACTTGTATGACACACTCAGGAGCAAG 180
DB 121 AGCACGTGGGCACCTTCTGGAGACCCACGACACTTGTATGACACACTCAGGAGCAAG 180

181 ATGGCAAGTGTGCGCCACCTGCTTCCCTGCTGCGAGGGAGTGGCAAGCAAGTG 240
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RESULT 2

US-09-439-313-374

; Sequence 374, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

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, CURRENT FILING DATE: 1999-11-12
, NUMBER OF SEQ ID NOS: 575
, SOFTWARE: FastSeq for Windows Version 3.0
, SEQ ID NO 374
, LENGTH: 2000
, TYPE: DNA
, ORGANISM: Homo sapien
US-09-439-313-374

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Query Match      100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0;
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Db	61	AGGAGCAAGA TGGGCAAGTGGTGGTCCGTTGCTTCCCTGCTGCAGGGAGCGCGCAAG	120
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Qy	301	TGTTGCTGCCACTGCTTCCCTGCTGCAGGGGAGCGCAGACGAGTGGGCGCTTGG	360
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Qy	1801	ATTCTGATTATGAAGAAAGCAGATAGAAAGTGGTTGAAAAAATGAATTTCTGAGCTTTCT	1860
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Qy	1861	CTTAGTTGTAAGAAAGAAAGACATCTTTGCAATGAAAAATAGTACGTTGCGGGAAGAAAT	1920
Db	1861	CTTAGTTGTAAGAAAGAAAGACATCTTTGCAATGAAAAATAGTACGTTGCGGGAAGAAAT	1920
Qy	1921	GCCATCCTAAGCTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAAAGAAAAA	1980
Db	1921	GCCATCCTAAGCTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAAAGAAAAA	1980
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Db 1981 AAAAAAAAAAAAAAAAAAAAAA 2000

RESULT 3
US-09-352-616A-374
; Sequence 374: Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-374

Query Match 100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTGGTGGAGTTGATCCATGCCGCTCTCTCTGTAAGAGCCATTTGGTCTC 60
Db 1 ATGTGGTGGAGTTGATCCATGCCGCTCTCTCTGTAAGAGCCATTTGGTCTC 60

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1141 CTGACATCAGAGGAGAGTGCACAAAGGTTCAAAAGGTTCAAAAGGTTCAAAAGGTTCAAAAG 1200
1141 CTGACATCAGAGGAGAGTGCACAAAGGTTCAAAAGGTTCAAAAGGTTCAAAAGGTTCAAAAG 1200
1201 ATGTCTCAAGAACAGAAATTAATAAGATGCTGATAGAGAGGTTGAAGAAGAAATGAAG 1260
1201 ATGTCTCAAGAACAGAAATTAATAAGATGCTGATAGAGAGGTTGAAGAAGAAATGAAG 1260
1261 AAGCATGAAAGTAAATATGTTGGGATTAAGAAAAACCTGACTTAATGTTGCTGCTGCTG 1320
1261 AAGCATGAAAGTAAATATGTTGGGATTAAGAAAAACCTGACTTAATGTTGCTGCTGCTG 1320
1321 AATGGTGAATATGGAATTAATCTTCAAGAGGAGAGAGACACCTGAAAAATCAGCAATTT 1380
1321 AATGGTGAATATGGAATTAATCTTCAAGAGGAGAGAGACACCTGAAAAATCAGCAATTT 1380
1381 CCTGACAAACGAAAGTGAAGAGTATCAGAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
1381 CCTGACAAACGAAAGTGAAGAGTATCAGAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
1441 AAACAGATGCAAAATACTCTTCTGAAAAACAGCAACCCAGAAAGACTTAAAGCTGACA 1500
1441 AAACAGATGCAAAATACTCTTCTGAAAAACAGCAACCCAGAAAGACTTAAAGCTGACA 1500
1501 TCAGAGAGAGAGTGCACAAAGGCTTGGAGGAGTGAATAATGGCCAGCAGAGCTAGAAAAAT 1560
1501 TCAGAGAGAGAGTGCACAAAGGCTTGGAGGAGTGAATAATGGCCAGCAGAGCTAGAAAAAT 1560
1561 TTTATGGCTATCGAAGAAATGAAGAGCAGGAGTACTCATGTCGGATTTCCAGAAAAAC 1620
1561 TTTATGGCTATCGAAGAAATGAAGAGCAGGAGTACTCATGTCGGATTTCCAGAAAAAC 1620
1621 CTGACTAATGGTGCCTGCTGCGCAATGGTGAATGATGATGATTAATTTCTTCCAGGAGAGC 1680
1621 CTGACTAATGGTGCCTGCTGCGCAATGGTGAATGATGATGATTAATTTCTTCCAGGAGAGC 1680
1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAGTGAAGAGTATCAAGTGAAGCA 1740
1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAGTGAAGAGTATCAAGTGAAGCA 1740
```


Qy	1741	CAAAATGATCTCAGAAGCAATTTTGTGAAGAACAGAACTGGAAATTTACACGATGAG	1800
Db	1741	CAAAATGATCTCAGAAGCAATTTTGTGAAGAACAGAACTGGAAATTTACACGATGAG	1800
Qy	1801	ATTCTGATTCATGAAGAAAACGATAGAAGTGGTTGAAAAATGAATTTCTGAGCTTTCT	1860
Db	1801	ATTCTGATTCATGAAGAAAACGATAGAAGTGGTTGAAAAATGAATTTCTGAGCTTTCT	1860
Qy	1861	CTTAGTTGTTAAGAAAAGAAAAGACATCTTGCACTGAAAAATAGTAGCTTGGCGGAAGAAAATT	1920
Db	1861	CTTAGTTGTTAAGAAAAGAAAAGACATCTTGCACTGAAAAATAGTAGCTTGGCGGAAGAAAATT	1920
Qy	1921	GCCATGCTATGAGCTGGAGCTAGACACAAATGAACATCAGAGCCAGCTTAAAAAIAAAAAAAA	1980
Db	1921	GCCATGCTATGAGCTGGAGCTAGACACAAATGAACATCAGAGCCAGCTTAAAAAIAAAAAAAA	1980
Qy	1981	AAAAAAAAAAAAAAAAAAAAA 2000	
Db	1981	AAAAAAAAAAAAAAAAAAAAA 2000	

RESULT 4

US-09-605-785-375
; Sequence 375, Application US/09605785

Patent No. 6321716
GENERAL INFORMATION:

/ GENERAL INFORMATION:
 / APPLICANT: Xu, Jiangchun
 / APPLICANT: Dillon, Davin C.
 / APPLICANT: Mitcham, Jennifer L.
 / APPLICANT: Harlocker, Susan L.
 / APPLICANT: Jiang, Yuqu
 / APPLICANT: Henderson, Robert A.
 / APPLICANT: Kalos, Michael D.
 / APPLICANT: Fanger, Gary R.
 / APPLICANT: Retter, Marc W.
 / APPLICANT: Stolk, John A.
 / APPLICANT: Day, Craig H.
 / APPLICANT: Vedvick, Thomas S.
 / APPLICANT: Carter, Darrick
 / APPLICANT: Li, Samuel
 / APPLICANT: Wang, Aijun
 / APPLICANT: Skeiky, Yasir A.W.
 / APPLICANT: Hepler, William
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 / FILE REFERENCE: 210121.427C16
 / CURRENT APPLICATION NUMBER: US/09/605.785
 / CURRENT FILING DATE: 2000-06-27

ORGANISM: Homo sapien
US-09-605-785-375

Query Match 97.0%; Score 1940; DB 4; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

Accession	Gene	Strain	Position	Sequence	Length
1	ATGFGGTTGAGGTGATTCATGCGCGCTGCCTTCTGTGAAGAGCAATTGGTCTC	QY	60		
1	ATGFGGTTGAGGTGATTCATGCGCGCTGCCTTCTGTGAAGAGCAATTGGTCTC	db	60		
61	AGGAGCAAGATGGGCAAGTGCTGTCGGTTGGTTCCCTGCTGCAGGAGAGCGCGAAG	QY	120		
61	AGGAGCAAGATGGGCAAGTGCTGTCGGTTGGTTCCCTGCTGCAGGAGAGCGCGAAG	db	120		

QY	181	ATGGGCAAGTGTGCGCCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGCAACGCG	240
DB	181	ATGGGCAAGTGTGCGCCACTGCTTCCCTGCTGCAGGGGAGTGGCAAGCAACGCG	240
QY	241	GGCGCTTCGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAAACAAGATGGCAAG	300
DB	241	GGCGCTTCGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAAACAAGATGGCAAG	300
QY	301	TGGTGTGCTGCACCTGCTTCCCTGCTGCAGGGGAGCGGCAAGACGAAGTGGCGCTTGG	360
DB	301	TGGTGTGCTGCACCTGCTTCCCTGCTGCAGGGGAGCGGCAAGACGAAGTGGCGCTTGG	360
QY	361	GGAGACTACGATGACAGTGCCTTCATGGAGCCCAAGTACCAGTCCGCTGGAGAACTCTG	420
DB	361	GGAGACTACGATGACAGTGCCTTCATGGAGCCCAAGTACCAGTCCGCTGGAGAACTCTG	420
QY	421	GACAGCTCCACAGAGCTGCGTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCTCATG	480
DB	421	GACAGCTCCACAGAGCTGCGTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCTCATG	480
QY	481	CTCAGGGACACTGACGCTGCAACAAGAAGGACAAAGAGAGGACTGCTCATCTCTGCC	540
DB	481	CTCAGGGACACTGACGCTGCAACAAGAAGGACAAAGAGAGGACTGCTCATCTCTGCC	540
QY	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGCTGGACAGACGATGTCAACTTAAT	600
DB	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAACTCTCTGCTGGACAGACGATGTCAACTTAAT	600
QY	601	GTCCTTGACAAACAAAAGAGGACAGCTCTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660
DB	601	GTCCTTGACAAACAAAAGAGGACAGCTCTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660
QY	661	TGTGCGTTAATGTTGCTGGACATGGGCACATGCCAAATATTCAGATGAGTATGGAAT	720
DB	661	TGTGCGTTAATGTTGCTGGACATGGGCACATGCCAAATATTCAGATGAGTATGGAAT	720
QY	721	ACCACTCTGCACCTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
DB	721	ACCACTCTGCACCTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACTGCTCTTA	780
QY	781	TATGGTCTGATATCGAATCAAAAAACAGCATGGCCCTCACACCTGTTACTTTGGTGTA	840
DB	781	TATGGTCTGATATCGAATCAAAAAACAGCATGGCCCTCACACCTGTTACTTTGGTGTA	840
QY	841	CATGAGCAAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAGCGAATTTAAATGCA	900
DB	841	CATGAGCAAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAGCGAATTTAAATGCA	900
QY	901	CTGATAGATATGGAAGGACTGCTCATACTTGTCTATGTTGTGGATCAGCAAGTATA	960
DB	901	CTGATAGATATGGAAGGACTGCTCATACTTGTCTATGTTGTGGATCAGCAAGTATA	960
QY	961	GTCAGCCTTCTACTTGAGCAAAATATTTGATGTTCTCTCAAGATCTATCTGGACAGACG	1020
DB	961	GTCAGCCTTCTACTTGAGCAAAATATTTGATGTTCTCTCAAGATCTATCTGGACAGACG	1020
QY	1021	GCCAGAGATATCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTTCTGACTAC	1080
DB	1021	GCCAGAGATATCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTTCTGACTAC	1080
QY	1081	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140
DB	1081	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140
QY	1141	CTGACATCAGAGGAGTCAAAAGGTTCAAAGGCGAGTGAAATATGCCAGCCAGAGAAA	1200
DB	1141	CTGACATCAGAGGAGTCAAAAGGTTCAAAGGCGAGTGAAATATGCCAGCCAGAGAAA	1200
QY	1201	ATGCTCAAGAACCAAGAAATAAATAGGATGGTGATAGAGAGTTGAGAGAAATGAAG	1260
DB	1201	ATGCTCAAGAACCAAGAAATAAATAGGATGGTGATAGAGAGTTGAGAGAAATGAAG	1260
QY	1261	AAGCATGAAAGTAATTAATGTGGGATTACTAGAAAACTTGACTAATGGTGTCATGCTGGC	1320

1261 AAGCATGAAGTAATAATGTGGATTACTAGAAACCTGACTAATGTGTCTACTGTGGC 1320
1321 AATGTGTAATGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAATCAGCAATTT 1380
1321 AATGTGTAATGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAATCAGCAATTT 1380
1381 CCTGACACGAAGAGTGAAGAGTATCACAAGATTTTGGCAATTTAGTTTCTGACTACAAAGAA 1440
1381 CCTGACACGAAGAGTGAAGAGTATCACAAGATTTTGGCAATTTAGTTTCTGACTACAAAGAA 1440
1441 AAACAGATGCCAAATATCTCTTCTGAAACAGCAACCCAGAACCAAGACTTAAAGCTGACA 1500
1441 AAACAGATGCCAAATATCTCTTCTGAAACAGCAACCCAGAACCAAGACTTAAAGCTGACA 1500
1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGGCAGTGAATAATGGCCAGCC----- 1547
1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGGCAGTGAATAATGGCCAGCCAGCCAGCCAGCCAGCC 1560
1548 -----AGAGCTAGAAATTTTATGGCTATCGAA 1575
1561 CAAGAACAGAAATAATAAGATGGTATAGAGAGCTAGAAATTTTATGGCTATCGAA 1620
1576 GAAATGAAGAGCAGCGAAGTACTCATGTGGATTTCAGAAACCTGACTAATGTGGCC 1635
1621 GAAATGAAGAGCAGCGAAGTACTCATGTGGATTTCAGAAACCTGACTAATGTGGCC 1680
1636 ACTGTGCAATGTGATGATGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAAGC 1695
1681 ACTGTGCAATGTGATGATGATTAATCTCTCAAGGAAGAGCAGAACACCTGAAAGC 1740
1696 CAGCAATTTCTGACACTGCAATGCAAGATACAGTATACAGTATGAGATTTCTGATTCATGAA 1755
1741 CAGCAATTTCTGACACTGCAATGCAAGATACAGTATACAGTATGAGATTTCTGATTCATGAA 1800
1756 AAGCAATTTCTGAGAGCAGACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1815
1801 AAGCAATTTCTGAGAGCAGACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
1816 GAAAGCAGATAGAGTGGTTGAAATAATGATTTCTGAGCTTTCTCTAGTTGTAAGAAA 1875
1861 GAAAGCAGATAGAGTGGTTGAAATAATGATTTCTGAGCTTTCTCTAGTTGTAAGAAA 1920
1876 GAAAGCAGATTTGTCATGAAATAGTACGTTGGGAGAGAAATGCGATGCTAAGACTG 1935
1921 GAAAGCAGATTTGTCATGAAATAGTACGTTGGGAGAGAAATGCGATGCTAAGACTG 1980
1936 GAGCTAGACACATGAAACATCAGAGCCAGCTTAAATAAAAAAAAAAAAAAAAAAAAAA 1995
1981 GAGCTAGACACATGAAACATCAGAGCCAGCTTAAATAAAAAAAAAAAAAAAAAAAAAA 2040

RESULT 5

US-09-439-313-375
Sequence 375, Application US/09439313
Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 375
LENGTH: 2040
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-375

Query Match 97.0%; Score 1940; DB 4; Length 2040;

Best Local Similarity 97.8%; Pred. No. 0;

Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

Qy	1	ATGCTGTTGAGTTCGATTCATGCGCGGCTCTCTCTGTAAGAGCCATTTGGTCTC	60
Db	1	ATGCTGTTGAGTTCGATTCATGCGCGGCTCTCTCTGTAAGAGCCATTTGGTCTC	60
Qy	61	AGGAGCAAGATGGCGAAGTGGTCTGCGGTTGTTCCCTGCTGCGAGGAGAGCGCAAG	120
Db	61	AGGAGCAAGATGGCGAAGTGGTCTGCGGTTGTTCCCTGCTGCGAGGAGAGCGCAAG	120
Qy	121	AGCAACGTGGGCACTTCTGGAGACCAAGCAGCTCTGCTATGAGACACTCAGAGCAAG	180
Db	121	AGCAACGTGGGCACTTCTGGAGACCAAGCAGCTCTGCTATGAGACACTCAGAGCAAG	180
Qy	181	ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTG	240
Db	181	ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTG	240
Qy	241	GGCGCTTCTGGAGACCAAGCAGCTCTGCTATGAGACACTCAGGAAACAAGATGGGCAAG	300
Db	241	GGCGCTTCTGGAGACCAAGCAGCTCTGCTATGAGACACTCAGGAAACAAGATGGGCAAG	300
Qy	301	TGCTGCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGATGGGCGCTGG	360
Db	301	TGCTGCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGATGGGCGCTGG	360
Qy	361	GGAGACTACGATGACAGTGGCTTCTGAGGCGCCAGCTACCCGCTGGGAGAGATCTG	420
Db	361	GGAGACTACGATGACAGTGGCTTCTGAGGCGCCAGCTACCCGCTGGGAGAGATCTG	420
Qy	421	GACAAGCTCCACAGAGCTGCTGGTGGGTAAGTCCCAAGAGATCTCATCGTCATG	480
Db	421	GACAAGCTCCACAGAGCTGCTGGTGGGTAAGTCCCAAGAGATCTCATCGTCATG	480
Qy	481	CTCAGGACACTGACGTGAACAAGAGCAAGCAAAAGAGGACTGCTTACATCTGGCC	540
Db	481	CTCAGGACACTGACGTGAACAAGAGCAAGCAAAAGAGGACTGCTTACATCTGGCC	540
Qy	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAPACTCTCTGCTGACAGACGATGTCACCTTAAT	600
Db	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAAPACTCTCTGCTGACAGACGATGTCACCTTAAT	600
Qy	601	GTCTTTGACAAACAAAAGAGGACAGCTCTGATAAAGCCGTACAAATCCAGGAAGATGAA	660
Db	601	GTCTTTGACAAACAAAAGAGGACAGCTCTGATAAAGCCGTACAAATCCAGGAAGATGAA	660
Qy	661	TGTGCGTTAATGTTGCTGGAACATGGCACTGATCCAAATATTTCCAGATGATGGAAT	720
Db	661	TGTGCGTTAATGTTGCTGGAACATGGCACTGATCCAAATATTTCCAGATGATGGAAT	720
Qy	721	ACCACCTGCACTACGCTATCTATATGAGATGAAATTAATGCGCAAGGACCTGCTCTTA	780
Db	721	ACCACCTGCACTACGCTATCTATATGAGATGAAATTAATGCGCAAGGACCTGCTCTTA	780
Qy	781	TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCCTCACACCACTGTTACTTGGTGA	840
Db	781	TATGCTGCTGATATCGAATCAAAAAACAAGCATGGCCCTCACACCACTGTTACTTGGTGA	840
Qy	841	CATGAGCAAAAAACAGCAAGTGTGAAATTTTAAATCAAGAAAAAGGCAATTTAAATGCA	900
Db	841	CATGAGCAAAAAACAGCAAGTGTGAAATTTTAAATCAAGAAAAAGGCAATTTAAATGCA	900
Qy	901	CTGGATAGATATGGAAGGAGCTGCTCTCATCTGCTGATGTTGATCAGCAAGTATA	960

QY 661 TGTGGTTAATGTTGCTGGAACATGGCACTGATCCAAATATATCCAGATGAGTATGGAAT 720
DB 661 TGTGGTTAATGTTGCTGGAACATGGCACTGATCCAAATATATCCAGATGAGTATGGAAT 720
QY 721 ACCACTGCTACTAGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 721 ACCACTGCTACTAGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
QY 781 TATGGTGTGATATGATATCAAAAACAGCATGGCTCACACACTGTTACTTGGTGT 840
DB 781 TATGGTGTGATATGATATCAAAAACAGCATGGCTCACACACTGTTACTTGGTGT 840
QY 841 CATGAGCAAAACAGCAAGTGGTCAAAATTTTATCAAGAAAAGCGAATTTAAATGCA 900
DB 841 CATGAGCAAAACAGCAAGTGGTCAAAATTTTATCAAGAAAAGCGAATTTAAATGCA 900
QY 901 CTGATAGATATGAAGGACTGCTCTCATCTGCTGTATGTTGTGGATCAGCAAGTATA 960
DB 901 CTGATAGATATGAAGGACTGCTCTCATCTGCTGTATGTTGTGGATCAGCAAGTATA 960
QY 961 GTCAGCTTCTACTTGAAGCAAAATATTGATGATCTCTCAAGATCTATCTGGACAGC 1020
DB 961 GTCAGCTTCTACTTGAAGCAAAATATTGATGATCTCTCAAGATCTATCTGGACAGC 1020
QY 1021 GCCAGAGTATGCTGTTCTAGTCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
DB 1021 GCCAGAGTATGCTGTTCTAGTCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
QY 1081 AAAGAAAACAGATGCTAAATAATCTCTTCTGAAAACAGCAATCCAGAAACAGACTTAAAG 1140
DB 1081 AAAGAAAACAGATGCTAAATAATCTCTTCTGAAAACAGCAATCCAGAAACAGACTTAAAG 1140
QY 1141 CTGACATCAGAGGAAGTCAAAAGTTCAAAGGCTGAAAATAGCCAGCCAGAGAA 1200
DB 1141 CTGACATCAGAGGAAGTCAAAAGTTCAAAGGCTGAAAATAGCCAGCCAGAGAA 1200
QY 1201 ATGTCTCAAGAACAGAAATTAATAGGATGGTATAGAGAGTTGAAGAAAGTAAAG 1260
DB 1201 ATGTCTCAAGAACAGAAATTAATAGGATGGTATAGAGAGTTGAAGAAAGTAAAG 1260
QY 1261 AAGCATGAAATTAATGTTGGATTAAGTAAACCTGACTAATGTTGTCCTGCTGGC 1320
DB 1261 AAGCATGAAATTAATGTTGGATTAAGTAAACCTGACTAATGTTGTCCTGCTGGC 1320
QY 1321 AATGGTGAATGATTAATTTCTCAAAGGAAGCAGACACCTGAAATCAGCAATTT 1380
DB 1321 AATGGTGAATGATTAATTTCTCAAAGGAAGCAGACACCTGAAATCAGCAATTT 1380
QY 1381 CCTGACAAAGAAAGTGAAGATATCAGAGATTTGCGAATTTGCTGACTACAAAGAA 1440
DB 1381 CCTGACAAAGAAAGTGAAGATATCAGAGATTTGCGAATTTGCTGACTACAAAGAA 1440
QY 1441 AAACAGATGCCCCAAATACTCTTCTGAAAACAGCAACCCAGAACTTAAAGCTGACA 1500
DB 1441 AAACAGATGCCCCAAATACTCTTCTGAAAACAGCAACCCAGAACTTAAAGCTGACA 1500
QY 1501 TCAGAGGAAGTCAAAAGCTTTGAGGCGAGTGAATAATGGCCAGCC----- 1547
DB 1501 TCAGAGGAAGTCAAAAGCTTTGAGGCGAGTGAATAATGGCCAGCC----- 1547
QY 1548 -----AGAGTGAATAATTTTATGGCTATCGAA 1575
DB 1561 CAAGAACAGAAATAAATAGGATGGTATAGAGAGCTAGAAAAATTTTATGGCTATCGAA 1620
QY 1576 GAAATGAAGAGCAGCAAGTACTCATGTGCGATTCCTCCAGAAACCTGACTAATGGTCC 1635
DB 1621 GAAATGAAGAGCAGCAAGTACTCATGTGCGATTCCTCCAGAAACCTGACTAATGGTCC 1680
QY 1636 ACTGCTGGCAATGGTATGATTAATTTCTCCAGAGGAAGCAGAAACCTGAAAGC 1695
DB 1681 ACTGCTGGCAATGGTATGATTAATTTCTCCAGAGGAAGCAGAAACCTGAAAGC 1740

QY 1696 CAGCAATTTCTGACACTGAGATGAGAGTATCAGAGTACCAACAAAATGATCTCAG 1755
DB 1741 CAGCAATTTCTGACACTGAGATGAGAGTATCAGAGTACCAACAAAATGATCTCAG 1800
QY 1756 AAGCAATTTTGTGAAGAACAGAACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1815
DB 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
QY 1816 GAAAAAGACATCTTGCATGAATTTGAAAAATGAATTTCTGAGCTTCTCTTAGTTGTAAGAA 1875
DB 1861 GAAAAAGACATCTTGCATGAATTTGAAAAATGAATTTCTGAGCTTCTCTTAGTTGTAAGAA 1920
QY 1876 GAAAAAGACATCTTGCATGAATTTGAAAAATGAATTTCTGAGCTTCTCTTAGTTGTAAGAA 1935
DB 1921 GAAAAAGACATCTTGCATGAATTTGAAAAATGAATTTCTGAGCTTCTCTTAGTTGTAAGAA 1980
QY 1936 GAGCTAGACACATGAATGAACATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAA 1995
DB 1981 GAGCTAGACACATGAATGAACATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAA 2040

RESULT 7

US-09-605-785-369
; Sequence 369, Application US/09605785
; Patent No. 6321716

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 369
; LENGTH: 1853
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-369

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;

Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

QY 1 ATGGTGGTTGAGTTGATTCCTATGCCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
DB 223 ATGGTGGTTGAGTTGATTCCTATGCCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 282
QY 61 AGGAGCAAGATGGGCAAGTGTGCTCCCTGCTCCCTGCTGAGGAGAGCGGCAAG 120
DB 283 AGGAGCAAGATGGGCAAGTGTGCTCCCTGCTGAGGAGAGCGGCAAG 342
QY 121 AGCAAGCTGGGCACTTCTGGAGACCAAGCAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
DB 343 AGCAAGCTGGGCACTTCTGGAGACCAAGCAGCTCTGCTATGAAGACACTCAGGAGCAAG 402
QY 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGACGCTG 240

Db 883 TGTGGTTAATGTTGCTGGAACATGGCACTGATCAATATTCAGATGATGGAAT 942
Qy 721 ACCACTGTGCTAGCTATCTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 780
Db 943 ACCACTGTGCTAGCTATCTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 1002
Qy 781 TATGGTCTGATATGATCAATCAAAAACAGACATGGCTCTCACACCACTGTTACTGGTGA 840
Db 1003 TAYGGTCTGATATGATCAATCAAAAACAGACATGGCTCTCACACCACTGTTACTGGTGA 1062
Qy 841 CATGAGCAAAAACAGCAAGTCTGCAATTTTAAATCAAGAAAAAGCAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTCTGCAATTTTAAATCAAGAAAAAGCAATTTAAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 1182
Qy 960 AGTCAGGCTTCTACTTCAGCAAAATATGATGATCTCTCAAGATCTATCTGACAGAC 1019
Db 1183 AGTCAGGCTTCTACTTCAGCAAAATATGATGATCTCTCAAG-ATTCGAAAGAC 1238
Qy 1020 GGCCAGAGATGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTA 1079
Db 1239 GGCCAGAGATGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTA 1298
Qy 1080 CAAAGAAAAACAGATGCTTAAATTTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAA 1139
Db 1299 CAAAGAAAAACAGATGCTTAAATTTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAA 1358
Qy 1140 GCTGACATCAGAGAAAGATCACAAGGTTCAAGGAGTGAATAAGCAGCCAGAG 1197
Db 1359 GCTGACATCAGAGAAAGATCACAAGGTTAAAGGAGTGAATAAGCAGCCAGAG 1416

RESULT 9

US-09-062-451-295
; Sequence 295, Application US/09062451
; Patent No. 6344550
; GENERAL INFORMATION:
; APPLICANT: Frudakie, Tony N.
; APPLICANT: Smith, John M.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 297
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/062,451
; FILING DATE: 04-APR-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.419C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEPHONE: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 295:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1853 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-062-451-295

Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. No. 1.7e-289;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGCTGTTGAGGTGATTCATCCGCGGCTCTTCTGTAAGAACCACTTTGGTCTC 60
Db 223 ATGGTGGTTGAGGTGATTCATCCGCGGCTCTTCTGTAAGAACCACTTTGGTCTC 282
Qy 61 AGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGTCAGGAGAGCGGCAAG 120
Db 283 AGAGCAAGATGGCAAGTGGTCTGCTCCCTGCTGTCAGGAGAGCGGCAAG 342
Qy 121 AGCAACGTGGGCACTTCTGGAGACACGACACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAACGTGGGCACTTCTGGAGACACGACACTCTGCTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAAGGGGAGTGGCAAGCAAGTG 240
Db 403 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAAGGGGAGTGGCAAGCAAGTG 462
Qy 241 GGCGCTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 463 GGCGCTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 522
Qy 301 TGGTGTGCTGCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGCAAGTGGGCGCTTG 360
Db 523 TGGTGTGCTGCACTGCTTCCCTGCTGCAAGGGGAGCGGCAAGCAAGTGGGCGCTTG 582
Qy 361 GGAGACTACGATCAGACAGTGCCTTTCATGGAGCCAGGTACCACTGCTGGAAGAGACTG 420
Db 583 GGAGACTACGATCAGACAGTGCCTTTCATGGAGCCAGGTACCACTGCTGGAAGAGACTG 642
Qy 421 GACAAGCTCCACAGAGTGCCTGCTGGGTTAAAGTCCCAAGAAAGGATCTCATGCTCATG 480
Db 643 GACAAGCTCCACAGAGTGCCTGCTGGGTTAAAGTCCCAAGAAAGGATCTCATGCTCATG 702
Qy 481 CTCAGGACACTGACGTGAACAGAGGAGCAAGCAAGAGGAGTGCCTCTACATCTCGCC 540
Db 703 CTCAGGACACTGACGTGAACAGAGGAGCAAGCAAGAGGAGTGCCTCTACATCTCGCC 762
Qy 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGCAAGACAGCATGTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGCAAGACAGCATGTCAACTTAAT 822
Qy 601 GTCCTTGAACAACAAAAAGAGGACAGCTCTGATAAAGCCCTACAATGCCAGGAGATGAA 660
Db 823 GTCCTTGAACAACAAAAAGAGGACAGCTCTGATAAAGCCCTACAATGCCAGGAGATGAA 882
Qy 661 TGTGCGTTAATGTTGCTGGNACATGGCACTGATCCAAATATTCAGATGATGGAAT 720
Db 883 TGTGCGTTAATGTTGCTGGNACATGGCACTGATCCAAATATTCAGATGATGGAAT 942
Qy 721 ACCACTCTGCACCTACCTACTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACCTACCTACTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 1002
Qy 781 TATGGTGTGATATCGAATCAAAAAACAGCATGGCTCTCACACCACTGTTACTGGTGA 840
Db 1003 TATGGTGTGATATCGAATCAAAAAACAGCATGGCTCTCACACCACTGTTACTGGTGA 1062
Qy 841 CATGACCAAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAGCAATTT-AAATGC 899
Db 1063 CATGACCAAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAGCAATTTAAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTCTGCTGATGTTGTTGGATCAGCAAGTAT 1182

Qy	960	AGTCAGCCCTTCTACTTGAGCGAAATATTTGATGTAATCTTCTCAAGATCTATCTTGGACAGAC	1019
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Qy	1020	GGCCAGAGAGTATGCTGTTTCTAGTGCATCATGTAATTTGCCAGTTACTTTTCTGACTA	1079
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Qy	1080	CAAGAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGACATTAAA	1139
Db	1299	CAAGAAGAAAAACAGATGTTAAAAATCTCTTCTGAAAAACAGCAATCCAGAACAGACATTAAA	1358
Qy	1140	GCTGACATCATCAGGAGAGTTCACAAAGGTTCAAAGGCAGTGAATAATAGCCAGCCAGAG	1197
Db	1359	GCTGACATCATCAGGAGAGTTCACAAAGGCTTAAAGGAAGTGAATAATAGCCAGCCAGAG	1416

RESULT 10

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RESULT 10
US-09-352-616A-369
/ Sequence 369, Application US/09352616A
/ Patent No. 6395278
/ GENERAL INFORMATION:
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Harlocker, Susan Louise
/ APPLICANT: Jiang, Yuqi
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Mitcham, Jennifer Lynn
/ TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
/ TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
/ FILE REFERENCE: 210121.427C8
/ CURRENT APPLICATION NUMBER: US/09/352,616A
/ CURRENT FILING DATE: 1999-07-13
/ NUMBER OF SEQ ID NOS: 472
/ SOFTWARE: FastSEQ for Windows Version 3.0
/ SEQ ID NO 369
/ LENGTH: 1853
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-352-616A-369

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Query Match 57.4%; Score 1147.6; DB 4; Length 1853;
Best Local Similarity 97.1%; Pred. NO. 1.7e-289;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2

[illegible]

; APPLICANT: Hepler, William					
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND					
; FILE REFERENCE: 210121.427C16					
; CURRENT APPLICATION NUMBER: US/09/605,785					
; CURRENT FILING DATE: 2000-06-27					
; NUMBER OF SEQ ID NOS: 835					
; SOFTWARE: FastSeq for Windows Version 3.0					
; SEQ ID NO 373					
; LENGTH: 1155					
; TYPE: DNA					
; ORGANISM: Homo sapien					
US-09-605:785-373					
Query Match 56.6%; Score 1131.6; DB 4; Length 1155;					
Best Local Similarity 99.6%; Pred. No. 2e-285;					
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;					
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Dd	1	ATGGTGTTCAGGTGTGATTCATGCCGGCTGCCTTCTGTGAAGAAGCCATTGGGTCTC	60		
Qy	61	AGGAGCAAGATGGCAAGTGCTGTCGCCGTGTCTCCCTGCTGCAGGAGAGCGGCAAG	120		
Dd	61	AGGAGCAGATGGCAAGTGCTGTCGCCGTGTCTCCCTGCTGCAGGAGAGCGGCAAG	120		
Qy	121	AGCAACGTGGCACTTTCTGGAGACCACGACACTCTGCTAATGAAGACACTCAGGAGCAAG	180		
Dd	121	AGCAACGTGGCACTTTCTGGAGACCACGACACTCTGCTAATGAAGACACTCAGGAGCAAG	180		
Qy	181	ATGGGCAAGTGGTGGCCCACTGTTCCCCTGCTGCAGGGGGAGTGGCAAGACAAGCTG	240		
Dd	181	ATGGGCAAGTGGTGGCCCACTGTTCCCCTGCTGCAGGGGGAGTGGCAAGACAAGCTG	240		
Qy	241	GCGCGTTCTGGAGACCACGACGACTCTGCTATGNAGACACTCAGGACAGATGGGCAAG	300		
Dd	241	GCGCGTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG	300		
Qy	301	TGTTGCTGCCACTGTCTTCCCCTGCTGCAGGGGGAGCGGCAAGCAAGGTGGCGCTTGG	360		
Dd	301	TGTTGCTGCCACTGTCTTCCCCTGCTGCAGGGGGAGCGGCAAGCAAGGTGGCGCTTGG	360		
Qy	361	GGNAGACTAGATGACAGTAGTGCCTCATGGAGCCGAGGTACCACTGCTGGAGAAGATCTG	420		
Dd	361	GGNAGACTAGATGACAGTAGTGCCTCATGGAGCCGAGGTACCACTGCTGCTGGAGAAGATCTG	420		
Qy	421	GACAACTCCACAGAGCTGCTGCTGGGTAAAGTCCCCAGAAAGGATCTCATCTGCTCATG	480		
Dd	421	GACAACTCCACAGAGCTGCTGCTGGGTAAAGTCCCCAGAAAGGATCTCATCTGCTCATG	480		
Qy	481	CTCAGGGACACTGACCTGTAAACAAGAGGACCAAGCAAAAGAGGACTGCTCTACATCTGGCC	540		
Dd	481	CTCAGGGACACTGACCTGTAAACAAGAGGACCAAGCAAAAGAGGACTGCTCTACATCTGGCC	540		
Qy	541	TCTGCCAATGGGAATTCAGAGTAGTAATAAATCCTGCTGGACAGACGATGTCAACTTAAT	600		
Dd	541	TCTGCCAATGGGAATTCAGAAAGTAGTAATAAATCCTGCTGGACAGACGATGTCAACTTAAT	600		
Qy	601	GTCTCTTGACAAACAAAAGAGGACGCTCTGATAAAGGCCGTACAAATGCCAGGAGATGAA	660		
Dd	601	GTCTCTTGACAAACAAAAGAGGACGCTCTGATAAAGGCCGTACAAATGCCAGGAGATGAA	660		
Qy	661	TGTGCGTTAATGTGTGGAAACATGGCACTGTATCCAAATATTCAGATGAGTATGAAAT	720		
Dd	661	TGTGCGTTAATGTGTGGAACATGGCACTGTATCCAAATATTCAGATGAGTATGAAAT	720		
Qy	721	ACCACCTGTGCACTACGCTATCTATAATGAAGATAAATAATGGCCAAAGCACCTGCTCTTA	780		
Dd	721	ACCACCTGTGCACTACGCTATCTATAATGAAGATAAATAATGGCCAAAGCACCTGCTCTTA	780		
Qy	781	TATGGTGTGATATCCAATCAAACAAACAGCATGGCTCTACACCACTGTACTTGTGTGA	840		
Dd	781	TATGGTGTGATATCCAATCAAACAAACAGCATGGCTCTACACCACTGTACTTGTGTGA	840		

Qy	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTTTAATCAAGAAAAAAGCGAATTTAAATGCA	900
Db	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTTTAATCAAGAAAAAAGCGAATTTAAATGCA	900
Qy	901	CTGGATAGATATGGAAGGACTGCTCTCATACTTTCCTGTATGTTGTGGATCAGCAAGTATA	960
Db	901	CTGGATAGATATGGAAGGACTGCTCTCATACTTTCCTGTATGTTGTGGATCAGCAAGTATA	960
Qy	961	GTGAGCCTTCTACTTTCAGCAAAAATATTGATGTATCTTCAAGATCTATCTGGACAGACG	1020
Db	961	GTGAGCCTTCTACTTTCAGCAAAAATATTGATGTATCTTCAAGATCTATCTGGACAGACG	1020
Qy	1021	GCCAGAGATATGCTGTTTCTAGTCATCATGTAAATTTGCCAGTACTTTCTGACTAC	1080
Db	1021	GCCAGAGATATGCTGTTTCTAGTCATCATGTAAATTTGCCAGTACTTTCTGACTAC	1080
Qy	1081	AAAGAAAAACAGATGCTAAAATCTCTTCGAAAAACAGCAATCCAGAACAGACTTAA	1138
Db	1081	AAAGAAAAACAGATGCTAAAATCTCTTCGAAAAACAGCAATCCAGAAAAATGCTCAA	1138

RESULT 12

US-09-439-313-373

Sequence 373, Application US/09439313

Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqui

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Panger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C9

CURRENT APPLICATION NUMBER: US/09/439,313

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 575

SOFTWARE: Fast-Seq for Windows Version 3.0

SEQ ID NO 473

LENGTH: 1155

TYPE: DNA

ORGANISM: Homo sapien

US-09-439-313-373

Query Match	56.6%	Score 1131.6	DB 4	Length 1155
Best Local Similarity	99.6%	Pred. No. 2e-285		
Matches 1134	Conservative 0	Mismatches 4	Indels 0	Gaps 0
Qy 1	ATGGTGGTTGAGGTGATTCATGCGCGGTGCTCTTCTGTGAAGAGCCATTGGTCTTC	60		
Db 1	ATGGTGGTTGAGGTGATTCATGCGCGGTGCTCTTCTGTGAAGAGCCATTGGTCTTC	60		
Qy 61	AGGAGCAAGATGGCAAGTGGTGCTGCCCTTGCTTCCCTGTGCAGGGAGAGCGGCAAG	120		
Db 61	AGGAGCAAGATGGCAAGTGGTGCTGCCCTTGCTTCCCTGTGCAGGGAGAGCGGCAAG	120		
Qy 121	AGCAACGTGGGCNCTTCTGGAGACACAGACGACTCTGTCTATGAAGACACTCAGGAGCAAG	180		
Db 121	AGCAACGTGGGCACCTTCTGGAGACACAGACGACTCTGTCTATGAAGACACTCAGGAGCAAG	180		
Qy 181	ATGGGCAAGTGGTGCGCGCACGTCTTCCCTGTGTCAGGGGAGTGGCAAGAGCACGTCGTG	240		
Db 181	ATGGGCAAGTGGTGCGCGCACGTCTTCCCTGTGTCAGGGGAGTGGCAAGAGCACGTCGTG	240		
Qy 241	GCGCGTCTTCTGGAGACACAGACACTCTGCTATGAAGACACTCAGGAACCAAGATGGGCAAG	300		

Db 241 GCGCTTCTGGAGACGACGACTCTGCTATGAAGACACTCAGNACAGATGGCAAG 300
Qy 301 TGGTGTGCGCACTGCTTCCCTCTGCTGCGAGGGAGCGCAAGAGCAAGTGGCGCTTGG 360
Db 301 TGGTGTGCGCACTGCTTCCCTCTGCTGCGAGGGAGCGCAAGAGCAAGTGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGGTTACCAAGTCCGTTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGGTTACCAAGTCCGTTGGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGTCCCTGCTGGGCTAAAGTCCCGAGAAAGGATCTCATGCTCATG 480
Db 421 GACAAGCTCCACAGAGTCCCTGCTGGGCTAAAGTCCCGAGAAAGGATCTCATGCTCATG 480
Qy 481 CTGAGGACACTGACGTGAACAAGAGGACCAAGCAAGCAAGCAAGGACTGCTTACATCTGCC 540
Db 481 CTGAGGACACTGACGTGAACAAGAGGACCAAGCAAGCAAGCAAGGACTGCTTACATCTGCC 540
Qy 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTGCTGGACAGACGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTGCTGGACAGACGATGTCAACTTAAT 600
Qy 601 GTCTTGCACAAACAAAGAGGACAGCTCTGATAAAGGCGCTTACATCCAGGAGATGAA 660
Db 601 GTCTTGCACAAACAAAGAGGACAGCTCTGATAAAGGCGCTTACATCCAGGAGATGAA 660
Qy 661 TGTGCGTAAATGTTGCTGGACATGCGACATGATCCAAATATTCAGATGATGGAAT 720
Db 661 TGTGCGTAAATGTTGCTGGACATGCGACATGATCCAAATATTCAGATGATGGAAT 720
Qy 721 ACCACTCTGCACTACGCTATCTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 780
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Qy 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Db 781 TATGTTGCTGATATCGAATCAAAAACAGCATGGGCTCACACCACTGTTACTTGTGTA 840
Qy 841 CATGAGCAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
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Db 1081 AAAGAAAACAGATGTAAATAATCTCTTCTGAAAACAGCAATCCAGAAAATGCTCAA 1138

RESULT 13

US-09-352-616A-373
; Sequence 373, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillion, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A

; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 373
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-352-616A-373

Query Match 56.6%; Score 1131.6; DB 4; Length 1155;
Best Local Similarity 99.8%; Pred. No. 2e-285;
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 ATGCTGTTGAGCTTGAATCCATGCGCGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
Db 1 ATGCTGTTGAGCTTGAATCCATGCGCGCTGCTCTTCTGTGAAGAGCCATTTGGTCTC 60
Qy 61 AGAGCAAGATGGCAAGTGGTCTCCCTGCTGCGGGAGTGCCTATGAAGACATCAGAGCAAG 120
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Qy 121 AGCAAGCTGGGCACTTCTGGAGACCAAGGACTCTGCTATGAAGACATCAGAGCAAG 180
Db 121 AGCAAGCTGGGCACTTCTGGAGACCAAGGACTCTGCTATGAAGACATCAGAGCAAG 180
Qy 181 ATGGGCAAGTGGTGGCGCACTTCCCTGCTGCGGGAGTGCCTATGAAGACATCAGAGCAAG 240
Db 181 ATGGGCAAGTGGTGGCGCACTTCCCTGCTGCGGGAGTGCCTATGAAGACATCAGAGCAAG 240
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Qy 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGTACCAAGTCCGTTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTCCCTTCAATGAGGCGCCAGTACCAAGTCCGTTGGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGTCCCTGCTGGGCTAAAGTCCCGAGAAAGGATCTCATGCTCATG 480
Db 421 GACAAGCTCCACAGAGTCCCTGCTGGGCTAAAGTCCCGAGAAAGGATCTCATGCTCATG 480
Qy 481 CTCAGGACACTGACGTGAACAAGAGGACCAAGCAAGAGGACTGCTCTACATCTGGCC 540
Db 481 CTCAGGACACTGACGTGAACAAGAGGACCAAGCAAGAGGACTGCTCTACATCTGGCC 540
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Qy 601 GTCTTGCACAAACAAAGAGGACAGCTCTGATAAAGGCGCTTACATCCAGGAGATGAA 660
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Db 661 TGTGCGTAAATGTTGCTGGACATGCGACATGATCCAAATATTCAGATGATGGAAT 720
Qy 721 ACCACTCTGCACTACGCTATCTATAATGAAGATAAATTAATGGCAAGCACTGCTCTTA 780
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Qy 841 CATGAGCAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
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GenCore version 5.1.6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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5	2000	100.0	2000	9	US-10-010-940-374
6	2000	100.0	2000	10	US-09-825-301-6
7	2000	100.0	2000	10	US-09-759-143-374
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24	1147.6	57.4	1853	9	US-09-924-400-295	Sequence 295, App
25	1147.6	57.4	1853	9	US-10-012-896-369	Sequence 369, App
26	1147.6	57.4	1853	9	US-09-895-793-369	Sequence 369, App
27	1147.6	57.4	1853	9	US-09-895-814-369	Sequence 369, App
28	1147.6	57.4	1853	9	US-10-010-940-369	Sequence 369, App
29	1147.6	57.4	1853	10	US-09-759-143-369	Sequence 369, App
30	1147.6	57.4	1853	10	US-09-780-669-369	Sequence 369, App
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32	1147.6	57.4	1853	10	US-09-822-827-369	Sequence 369, App
33	1147.6	57.4	1853	10	US-09-429-755-295	Sequence 295, App
34	1131.6	56.6	1155	9	US-09-924-400-301	Sequence 301, App
35	1131.6	56.6	1155	9	US-10-012-896-373	Sequence 373, App
36	1131.6	56.6	1155	9	US-09-895-793-373	Sequence 373, App
37	1131.6	56.6	1155	9	US-09-895-814-373	Sequence 373, App
38	1131.6	56.6	1155	9	US-10-010-940-373	Sequence 373, App
39	1131.6	56.6	1155	10	US-09-825-301-5	Sequence 5, Appl1
40	1131.6	56.6	1155	10	US-09-759-143-373	Sequence 373, App
41	1131.6	56.6	1155	10	US-09-780-669-373	Sequence 373, App
42	1131.6	56.6	1155	10	US-09-810-936-301	Sequence 301, App
43	1131.6	56.6	1155	10	US-09-822-827-373	Sequence 373, App
44	1131.6	56.6	1155	10	US-09-429-755-301	Sequence 301, App
45	1131.6	56.6	1185	9	US-09-924-400-335	Sequence 335, App

ALIGNMENTS

RESULT 1
US-09-924-400-302
; Sequence 302, Application US/09924400
; Patent No. US20020165371A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misner, Lynda E.
; APPLICANT: Dillon, David C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; APPLICANT: Li, Samuel X.
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C12
; CURRENT APPLICATION NUMBER: US/09/924,400
; CURRENT FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 302
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-924-400-302

Query Match 100.0%; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGGTGGTTGAGTTGATTCATGCCGCTCTTCTGTGAAGACCATTTGGTCTC	60
Db	1	ATGGTGGTTGAGTTGATTCATGCCGCTCTTCTGTGAAGACCATTTGGTCTC	60
QY	61	AGGACCAAGATGGCAAGTGGTGGTCCCTGCTCCCTGTCAGGAGCGGCAAG	120
Db	61	AGGACCAAGATGGCAAGTGGTGGTCCCTGCTCCCTGTCAGGAGCGGCAAG	120

Qy	121	AGCAACGTGGGCACTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAGCAAG	180
Db	121	AGCAACGTGGGCACTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAGCAAG	180
Qy	181	ATGGGCAAGTGTGCGGCCCACTGCTTCCCTGCTGCAGGGGAGTGCACAGGACAAAGCTG	240
Db	181	ATGGGCAAGTGTGCGGCCCACTGCTTCCCTGCTGCAGGGGAGTGCACAGGACAAAGCTG	240
Qy	241	GGCGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGACAAAGATGGGCAAG	300
Db	241	GGCGCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGACAAAGATGGGCAAG	300
Qy	301	TGCTGTGCCCACTGCTTCCCTGCTGCAGGGGAGCGGCAAGACAAAGTGGGGCGCTTGG	360
Db	301	TGCTGTGCCCACTGCTTCCCTGCTGCAGGGGAGCGGCAAGACAAAGTGGGGCGCTTGG	360
Qy	361	GGAGACTACGATGACAGTGCCTTCATGGAGCCAGGTACCACGTCCTGCGGAGAGATCTG	420
Db	361	GGAGACTACGATGACAGTGCCTTCATGGAGCCAGGTACCACGTCCTGCGGAGAGATCTG	420
Qy	421	GACAAGCTCCACAGAGCTGCCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480
Db	421	GACAAGCTCCACAGAGCTGCCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480
Qy	481	CTCAGGACACTGACGTGAACAGAGGACAGCAAGAGGACTGCTCTACATCTGGCC	540
Db	481	CTCAGGACACTGACGTGAACAGAGGACAGCAAGAGGACTGCTCTACATCTGGCC	540
Qy	541	TCGTCCAAATGGGAATTCAGAAAGTGTATTAACCTCCTGCTGCACAGACGATCTCAACTTAAT	600
Db	541	TCGTCCAAATGGGAATTCAGAAAGTGTATTAACCTCCTGCTGCACAGACGATCTCAACTTAAT	600
Qy	601	GTCCTTGACAAACAAAAGAGGACAGCTCTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660
Db	601	GTCCTTGACAAACAAAAGAGGACAGCTCTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660
Qy	661	TGTGCGCTTAATGTTGCTGGACATGGCAGTATCCAAATATTCAGATGAGTATGGAAT	720
Db	661	TGTGCGCTTAATGTTGCTGGACATGGCAGTATCCAAATATTCAGATGAGTATGGAAT	720
Qy	721	ACCACCTCGCAGTACGCTATCTATATGAAGATAAATTAATGCCAAAGCACTGCTCTTA	780
Db	721	ACCACCTCGCAGTACGCTATCTATATGAAGATAAATTAATGCCAAAGCACTGCTCTTA	780
Qy	781	TATGTTGCTGATATCGAATCAAAAAACAGCATGGCTCTCACACCTGTTACTTGGTGA	840
Db	781	TATGTTGCTGATATCGAATCAAAAAACAGCATGGCTCTCACACCTGTTACTTGGTGA	840
Qy	841	CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGGAAATTAATGCA	900
Db	841	CATGAGCAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGGAAATTAATGCA	900
Qy	901	CTGGATAGATATGGAAGGACTGCTCTCATCTTGGCTGTATGTTGATGATGATGATGAT	960
Db	901	CTGGATAGATATGGAAGGACTGCTCTCATCTTGGCTGTATGTTGATGATGATGATGATGAT	960
Qy	961	GTCAGCCTTCTACTTGGACAAAATATTGATGTATCTTCAAGATCTATCTGGACAGACG	1020
Db	961	GTCAGCCTTCTACTTGGACAAAATATTGATGTATCTTCAAGATCTATCTGGACAGACG	1020
Qy	1021	GCCAGAGATGCTGTTCTTAGTCATCATCATGTAAATTTGCCAGTTACTTTCTGACTAC	1080
Db	1021	GCCAGAGATGCTGTTCTTAGTCATCATCATGTAAATTTGCCAGTTACTTTCTGACTAC	1080
Qy	1081	AAAGAAAAACAGATGCTAAAAATCTCTTGAAAAACAGCAATCCAGAACAGACTTTAAG	1140
Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTTGAAAAACAGCAATCCAGAACAGACTTTAAG	1140
Qy	1141	CTGACATCAGAGGAAGAGTCAACAAGGTTCAAAAGGCGAGTGAATAATAGCCAGCCAGAGAA	1200
Db	1141	CTGACATCAGAGGAAGAGTCAACAAGGTTCAAAAGGCGAGTGAATAATAGCCAGCCAGAGAA	1200
Qy	1201	ATGCTCTCAAGACCAGAAAATAAATAGGATGGTGTATGAGAGGGTTGAAGAAAGAAATGAAG	1260

RESULTS

RESULT 2
US-10-012-896-374
; Sequence 374, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.

APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Meadner, Madeleine Joy
TITLE OF INVENTION: POSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapiens
US-10-012-896-374

Query Match 100.0%; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTGGAGTTGATCCATGCGCGTGGCTCTCTGTGGAAGACCAATTTGGTCTC 60
DB 1 ATGGTGGTGGAGTTGATCCATGCGCGTGGCTCTCTGTGGAAGACCAATTTGGTCTC 60

QY 61 AGGACCAAGATGGGCAAGTGGTGGCGTGGCTCTCTGTGGAAGACCAATTTGGTCTC 120
DB 61 AGGACCAAGATGGGCAAGTGGTGGCGTGGCTCTCTGTGGAAGACCAATTTGGTCTC 120

QY 121 AGCAAGTGGGCACTTCTGGAGCACCAAGTGGTGGCGTGGCTCTCTGTGGAAGACCA 180
DB 121 AGCAAGTGGGCACTTCTGGAGCACCAAGTGGTGGCGTGGCTCTCTGTGGAAGACCA 180

QY 181 ATGGCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGGTGGCGTGGCTCTCTGTGGA 240
DB 181 ATGGCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGGTGGCGTGGCTCTCTGTGGA 240

QY 241 GGCGCTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGGTGGCGGCA 300
DB 241 GGCGCTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGGTGGCGGCA 300

QY 301 TGGTGGTGGGCACTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGG 360
DB 301 TGGTGGTGGGCACTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGG 360

QY 361 GGAGCTACGATGACAGTGGCTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCAC 420
DB 361 GGAGCTACGATGACAGTGGCTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCAC 420

QY 421 GACAGCTCCACAGAGTGGCTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCA 480
DB 421 GACAGCTCCACAGAGTGGCTTCTGGAGCACCAAGTGGTGGCGGCACTTCTGGAGCACCA 480

QY 481 CTCAGGGACACTGACGTTGGAAGACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGG 540
DB 481 CTCAGGGACACTGACGTTGGAAGACCAAGTGGTGGCGGCACTTCTGGAGCACCAAGTGG 540

QY 541 TCTGCAATGGGAATTCAGAAGTAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 600
DB 541 TCTGCAATGGGAATTCAGAAGTAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 600

QY 601 GTCTTGGACACCAAGAGGACAGTCTGTATGAAGGCGGTACATGATGAGGAGAGTAAAG 660
DB 601 GTCTTGGACACCAAGAGGACAGTCTGTATGAAGGCGGTACATGATGAGGAGAGTAAAG 660

QY 601 GTCTTGGACACCAAGAGGACAGTCTGTATGAAGGCGGTACATGATGAGGAGAGTAAAG 660

QY 661 TGTGCGTAAATGTTGCTGGAACATGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720
DB 661 TGTGCGTAAATGTTGCTGGAACATGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720

QY 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCTGCAAGACCTGCTCTTA 780
DB 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCTGCAAGACCTGCTCTTA 780

QY 781 TATGCTGCTGATATCGAATCAAAAACAGATGCTGCTCACAACCTGTTTACTTGGTGA 840
DB 781 TATGCTGCTGATATCGAATCAAAAACAGATGCTGCTCACAACCTGTTTACTTGGTGA 840

QY 841 CATGACAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900
DB 841 CATGACAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAGCGAATTTAAATGCA 900

QY 901 CTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGGATCAGCAAGTATA 960
DB 901 CTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGGATCAGCAAGTATA 960

QY 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAG 1020
DB 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTTCTCAAGATCTATCTGACAGAG 1020

QY 1021 GCCAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCCAGTTACTTTCTGACTAC 1080
DB 1021 GCCAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCCAGTTACTTTCTGACTAC 1080

QY 1081 AAAGAAAACAGATGCTTCTTCTGAAAACAGCAATCCAGAACACAGCTTAAAG 1140
DB 1081 AAAGAAAACAGATGCTTCTTCTGAAAACAGCAATCCAGAACACAGCTTAAAG 1140

QY 1141 CTGACATCAGAGGAGAGTCAAAAGTTTCAAGGAGTGAATTTAGCCAGCAGAGAAA 1200
DB 1141 CTGACATCAGAGGAGAGTCAAAAGTTTCAAGGAGTGAATTTAGCCAGCAGAGAAA 1200

QY 1201 ATGCTCTCAAGACCAAGAAATTAATGATGCTGATAGAGGTTGAAGAGAAATGAAG 1260
DB 1201 ATGCTCTCAAGACCAAGAAATTAATGATGCTGATAGAGGTTGAAGAGAAATGAAG 1260

QY 1261 AAGCATGAAAGTAAATTTGGGATTTACTAGAAAACCTGACTTAATTTGCTGCTGCTGC 1320
DB 1261 AAGCATGAAAGTAAATTTGGGATTTACTAGAAAACCTGACTTAATTTGCTGCTGCTGC 1320

QY 1321 AATGCTGATATGATTAATTTCTCTCAAGAGAGCAGAACCTGGAATTTAGCAATTT 1380
DB 1321 AATGCTGATATGATTAATTTCTCTCAAGAGAGCAGAACCTGGAATTTAGCAATTT 1380

QY 1381 CCTGACAAAGAGTGAAGAGTATCACAGATTTTGGGATTTGCGAATTTGCTGACTACAA 1440
DB 1381 CCTGACAAAGAGTGAAGAGTATCACAGATTTTGGGATTTGCGAATTTGCTGACTACAA 1440

QY 1441 AAACAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
DB 1441 AAACAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500

QY 1501 TCAGAGGAGAGTCAAAAGGCTTGGAGGAGTGAATTTGGCCAGCAGAGCTAGAAAAT 1560
DB 1501 TCAGAGGAGAGTCAAAAGGCTTGGAGGAGTGAATTTGGCCAGCAGAGCTAGAAAAT 1560

QY 1561 TTTATGCTATCGAAGAAATGAAGAGCAGCAAGTACTCATGTCGGATTTCCAGAAAAC 1620
DB 1561 TTTATGCTATCGAAGAAATGAAGAGCAGCAAGTACTCATGTCGGATTTCCAGAAAAC 1620

QY 1621 CTGACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
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QY 1681 AGAACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGAGTATCAGAGTACGAA 1740
DB 1681 AGAACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGAGTATCAGAGTACGAA 1740

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Db 1741 CAAAATGATACTCAGAGCAATTTTGTGAAGACAGACACTGGAATATTACAGATGAG 1800
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Db 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAATAATGAATCTGAGCTTCT 1860
QY 1861 CTTAGTTGTAAGAAAGAAAGACACTTTCATGAAATAGTACGTTGCGGGAAGAAAT 1920
Db 1861 CTTAGTTGTAAGAAAGAAAGACACTTTCATGAAATAGTACGTTGCGGGAAGAAAT 1920
QY 1921 GCCATCTAAGACTGGAGCTAGACACAATGAACATCAGACGACGCTAAAAA 1980
Db 1921 GCCATCTAAGACTGGAGCTAGACACAATGAACATCAGACGACGCTAAAAA 1980
QY 1981 AAAAAA 2000
Db 1981 AAAAAA 2000
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RESULT 3

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US-09-895-793-374
; Sequence 374, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stoik, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-374
```

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Query Match 100.08; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.08; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGTGGTTGAGGTGATTCCATGCCGCTGCTTCTGTGAAGAGCCATTGGTCTC 60
Db 1 ATGGTGGTTGAGGTGATTCCATGCCGCTGCTTCTGTGAAGAGCCATTGGTCTC 60
QY 61 AGGAGCAAGATGGCAAGTGTGCTGCCGTTGCTTCCCTCTCGACGAGAGCGCAAG 120
Db 61 AGGAGCAAGATGGCAAGTGTGCTGCCGTTGCTTCCCTCTCGACGAGAGCGCAAG 120
QY 121 AGCAAGCTGGGCACCTCTCGAGACCAACGACGACCTCTGCTATGAAGACACTCAGGAGCAAG 180
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Db 121 AGCAAGCTGGGCACCTCTCGAGACCAACGACGACCTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAGGGGGAGTGGCAAGACCAACGCTG 240
Db 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGCAGGGGGAGTGGCAAGACCAACGCTG 240
QY 241 GCGGCTTCTGGAGACCAACGACGACCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 241 GCGGCTTCTGGAGACCAACGACGACCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
QY 301 TGGTGTGCTGCACTGCTTCCCTGCTGCAGGGGGAGCGGCAAGAGAGTGGCGGCTTGG 360
Db 301 TGGTGTGCTGCACTGCTTCCCTGCTGCAGGGGGAGCGGCAAGAGAGTGGCGGCTTGG 360
QY 361 GGAGACTAGGATGACAGTGCCTTTCATGAGGCCCGCAGTACACGCTCGTGGAGAGATCTG 420
Db 361 GGAGACTAGGATGACAGTGCCTTTCATGAGGCCCGCAGTACACGCTCGTGGAGAGATCTG 420
QY 421 GACAAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 480
Db 421 GACAAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 480
QY 481 CTCAGGACACTGACGTGAACAAGAGAGCAAGCAAGAGGACTGCTCTACATCTGGCC 540
Db 481 CTCAGGACACTGACGTGAACAAGAGAGCAAGCAAGAGGACTGCTCTACATCTGGCC 540
QY 541 TCTGCCAATGGGAATTCAGAACTAGTAAACTCTCTGCTGGACAGAGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAACTAGTAAACTCTCTGCTGGACAGAGATGTCAACTTAAT 600
QY 601 GTCCCTTGACAAACAAAGAGGACAGCTCTGATAAGGCGGTCAATGCCAGGAGATGAA 660
Db 601 GTCCCTTGACAAACAAAGAGGAGACAGCTCTGATAAGGCGGTCAATGCCAGGAGATGAA 660
QY 661 TGTGCGTTAATGTTGCTGGAACATGACACTGATCAAAATATTCAGAGATGAGTGAAT 720
Db 661 TGTGCGTTAATGTTGCTGGAACATGACACTGATCAAAATATTCAGAGATGAGTGAAT 720
QY 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCCCAAGACACTGCTCTTA 780
Db 721 ACCACTCTGCACTACGCTATCTATATGAAGATAAATTAATGCCCAAGACACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAAACAGCATGGCTCACACCACTGTTTACTTGGTGTA 840
Db 781 TATGCTGCTGATATCGAATCAAAAACAGCATGGCTCACACCACTGTTTACTTGGTGTA 840
QY 841 CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
Db 841 CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
QY 901 CTGGATAGATATGGAAGACACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGGAAGACACTGCTCTCATCTGCTGATGTTGTTGGATCAGCAAGTATA 960
QY 961 GTCAGCCCTTCTACTTGAGCAAAAATTTGATGATCTTCTCAAGATCTATCTCGACAGAG 1020
Db 961 GTCAGCCCTTCTACTTGAGCAAAAATTTGATGATCTTCTCAAGATCTATCTCGACAGAG 1020
QY 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
Db 1021 GCCAGAGATATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTGACTAC 1080
QY 1081 AAAGAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATTCAGAAACAGACTTAAG 1140
Db 1081 AAAGAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATTCAGAAACAGACTTAAG 1140
QY 1141 CTGACATCAGAGAGAGTGCACAAAGTTTCAAGGCTGAAATAGCCAGCCAGAGAAA 1200
Db 1141 CTGACATCAGAGAGAGTGCACAAAGTTTCAAGGCTGAAATAGCCAGCCAGAGAAA 1200
QY 1201 ATGCTCAAGAACCAAGAAATTAAGGATGGTATAGAGAGGTTGAAGAGAAATGAAG 1260
Db 1201 ATGCTCAAGAACCAAGAAATTAAGGATGGTATAGAGAGGTTGAAGAGAAATGAAG 1260
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Db 1201 ATGCTCAAGAACCCAGAAATAAATAGGATGGTGATAGAGAGGTTGAAGAAGAAATGAAG 1260
Qy 1261 AAGCATGAAGTAATAATGTGGGATTAAGTAAACCTGACTAATGTTGTCACGTGCTGGC 1320
Db 1261 AAGCATGAAGTAATAATGTGGGATTAAGTAAACCTGACTAATGTTGTCACGTGCTGGC 1320
Qy 1321 AATGGTGATTAATGGATTAATTCCTCAAGGAAGAGCAGAACACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATTAATGGATTAATTCCTCAAGGAAGAGCAGAACACCTGAAATCAGCAATTT 1380
Qy 1381 CCTGACAAACCAAGTGAAGAGTATCAGAAATTTGCGAATAGTTTCTGACTACAAGAA 1440
Db 1381 CCTGACAAACCAAGTGAAGAGTATCAGAAATTTGCGAATAGTTTCTGACTACAAGAA 1440
Qy 1441 AAACAGATGCCAAATACTCTCTGAAACAGAACCCAGAACAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATACTCTCTGAAACAGAACCCAGAACAGACTTAAAGCTGACA 1500
Qy 1501 TCAGAGAAAGATCACAAGGCTTGAGGCGAGTGAAAAATGCCACGAGAGCTAGAAAAT 1560
Db 1501 TCAGAGAAAGATCACAAGGCTTGAGGCGAGTGAAAAATGCCACGAGAGCTAGAAAAT 1560
Qy 1561 TTTATGGCTATCGAAGAAATGAGAAGACCGGAGTACTCATGTGCGAATCCCAAGAAAC 1620
Db 1561 TTTATGGCTATCGAAGAAATGAGAAGACCGGAGTACTCATGTGCGAATCCCAAGAAAC 1620
Qy 1621 CTGACTAATGCTGCCACTGCTGCAATGGTGATGATTAATTCCTCCCAAGGAAGAGC 1680
Db 1621 CTGACTAATGCTGCCACTGCTGCAATGGTGATGATTAATTCCTCCCAAGGAAGAGC 1680
Qy 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAATGAAGAGTATCACAGTACGAA 1740
Db 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAATGAAGAGTATCACAGTACGAA 1740
Qy 1741 CAAATGATCTACAGAGCAATTTTGTGAAGACAGACACTGGAATATTACAGATGAG 1800
Db 1741 CAAATGATCTACAGAGCAATTTTGTGAAGACAGACACTGGAATATTACAGATGAG 1800
Qy 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCGAGCTTCT 1860
Db 1801 ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAATTCGAGCTTCT 1860
Qy 1861 CTTAGTTGAAGAAAGAAAGACATCTTGCAATGAAAAATAGTACGTTGCGGGAAGAAAT 1920
Db 1861 CTTAGTTGAAGAAAGAAAGACATCTTGCAATGAAAAATAGTACGTTGCGGGAAGAAAT 1920
Qy 1921 GCATCCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAA 1980
Db 1921 GCATCCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAA 1980
Qy 1981 AAAAAAAAAAAAAAAAAA 2000
Db 1981 AAAAAAAAAAAAAAAAAA 2000
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RESULT 4

US-09-895-814-374

; Sequence 374, Application US/09895814

; Publication No. US20020193296A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, David C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Xuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

```
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fauger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895.814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-895-814-374
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Query Match

100.0%; Score 2000; DB 9; Length 2000;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 AGGAGCAAGATGGCAAGTGGTCTGCCCTTCTGCCCTGCTGCAGGGAGAGGGCAAG 120
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Db 121 AGCAACGTGGGCACTTCTGGAGACACGACGACTCTGCTATGAAGACACTCAGAGCAAG 180
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Db 181 ATGGGCAAGTGGTGGCCCACTGCTTCCCTGCTGAGGGGGAGTGGAAGCAAGCTG 240
Qy 241 GGCCTCTTCTGGAGACACGACGACTCTGCTTCCCTGCTGAGGGGGAGTGGAAGCAAGCTG 300
Db 241 GGCCTCTTCTGGAGACACGACGACTCTGCTTCCCTGCTGAGGGGGAGTGGAAGCAAGCTG 300
Qy 301 TGTGCTGCCACTGCTTCCCTGCTGAGGGGGAGTGGAAGCAAGCTGAGGCTGG 360
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Db 361 GGAGACTACGATGACAGTGGCTTTCATGGAGCCGAGGTACACCTCCGTTGGAGAGATCTG 420
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Db 721 ACCACTGCTAGCTATCTATAATGAAGATAAATTAATGCGCAAGCACTGCTCTTA 780
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RESULT 5
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; Sequence 374, Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yucui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427D3
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-010-940-374
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Query Match : 100.0%; Score 2000; DB 9; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 121 AGCAGGTGGGCACTTCTGGAGCACCAGCAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGCGCCACTGCTCCCTGCTGAGGGGAGTGGCAGAGCAACGTG 240
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QY 301 TGGTCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCTGGGCGCTTGG 360
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APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-759-143-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 AGAGCAAGATGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120

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DB 121 AGCAACGTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGACCAAG 180

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QY 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGATGAAGATATCAGATGATGATGATGAT 1740
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RESULT 8

US-09-780-669-374

; Sequence 374, Application US/09780669

; Patent No. US20020051977A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aljun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C24

; CURRENT APPLICATION NUMBER: US/09/780.669

; CURRENT FILING DATE: 2001-02-09

; NUMBER OF SEQ ID NOS: 943

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 374

; LENGTH: 2000

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-780-669-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db |||||||
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QY 1081 AAGAAAAACAGATGCTAAAAATCTCTTCTGAAAACAGCAATCCAGAACAGACTTAAAG 1140
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Db |||||||

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Db	1321	AATGGTGATTAATGGATTAATTCCTCAAAGGAAGAGCAGAAACACCTGAAAAATCAGCAATTT	1380
Qy	1381	CCTGACAAACGAAGTGAAGAGTATCACAGAAATTTGGCAATTAGTTCTGACTACAAGAA	1440
Db	1381	CCTGACAAACGAAGTGAAGAGTATCACAGAAATTTGGCAATTAGTTCTGACTACAAGAA	1440
Qy	1441	AAACAGATGCCAAAATACTCTTCGAAAACAGCAACCCAGAACAGACTTTAAAGCTTGACA	1500
Db	1441	AAACAGATGCCAAAATACTCTTCGAAAACAGCAACCCAGAACAGACTTTAAAGCTTGACA	1500
Qy	1501	TCAGAGGAAGAGTCACAAAGGCTTTGAGGGCAGTGGAAAATGGCCAGGCAGAGCTAGAAAAT	1560
Db	1501	TCAGAGGAAGAGTCACAAAGGCTTTGAGGGCAGTGGAAAATGGCCAGGCAGAGCTAGAAAAT	1560
Qy	1561	TTTATGGCTATCGAAGAAATGAAGAAGCAGCGGAAGTACTCATGTCGGATTCGCCAGAAAC	1620
Db	1561	TTTATGGCTATCGAAGAAATGAAGAAGCAGCGGAAGTACTCATGTCGGATTCGCCAGAAAC	1620
Qy	1621	CTGACTAATGGTGCCCACTGCTGGCAATGGTGATGGATTAATTCCTCAAGGAAGAGC	1680
Db	1621	CTGACTAATGGTGCCCACTGCTGGCAATGGTGATGGATTAATTCCTCAAGGAAGAGC	1680
Qy	1681	AGAACACCTGAAAGCCAGCAATTTCTCGACACTGAGAAAGTGAAGAGTATCACAGTGACGAA	1740
Db	1681	AGAACACCTGAAAGCCAGCAATTTCTCGACACTGAGAAAGTGAAGAGTATCACAGTGACGAA	1740
Qy	1741	CAAAATGATCTCAGAAAGCAATTTGTGAAAGAACAGAACACTTGGAAATATACACGATGAG	1800
Db	1741	CAAAATGATCTCAGAAAGCAATTTGTGAAAGAACAGAACACTTGGAAATATACACGATGAG	1800
Qy	1801	ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAAATTCAGCTTTCT	1860
Db	1801	ATTCTGATTCATGAAGAAAGCAGATAGAGTGGTTGAAAAATGAAATTCAGCTTTCT	1860
Qy	1861	CTTAGTGTGAGAAAAGAAAAGACATCTTTCGATGAAATAGTACGTTGCGGGAAGAAAT	1920
Db	1861	CTTAGTGTGAGAAAAGAAAAGACATCTTTCGATGAAATAGTACGTTGCGGGAAGAAAT	1920
Qy	1921	GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAA	1980
Db	1921	GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTTAAAAA	1980
Qy	1981	AAAAAAAAAAAAAAAAAAAA 2000	
Db	1981	AAAAAAAAAAAAAAAAAAAA 2000	

RESULT 9

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US-09-810-936-302
;
; Sequence 302, Application US/09810936
; Patent No. US20020068285A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Fridakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misner, Linda E.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
;
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C11
;
; CURRENT APPLICATION NUMBER: US/09/810,936
; CURRENT FILING DATE: 2001-03-16
;
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
;
; SEQ ID NO 302

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QY 961 GTCAGCTTCTACTTGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGCG 1020
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QY 1021 GCCAGAGATGATGCTTTCTAGTCTATCATCATGTAATTTGCCAGTTACTTTCTGACTAC 1080
Db 1021 GCCAGAGATGATGCTTTCTAGTCTATCATCATGTAATTTGCCAGTTACTTTCTGACTAC 1080
QY 1081 AAGAAAAACAGATGCTAAAAATCTCTTCTGAACAGCAATCCAGAACAGACTTAAG 1140
Db 1081 AAGAAAAACAGATGCTAAAAATCTCTTCTGAACAGCAATCCAGAACAGACTTAAG 1140
QY 1141 CTGACATCAGAGAGAGTCAAAAGTTCAAGGCAGTGAATAAGCCAGCCAGAGAA 1200
Db 1141 CTGACATCAGAGAGAGTCAAAAGTTCAAGGCAGTGAATAAGCCAGCCAGAGAA 1200
QY 1201 ATGCTCAAGAACCCAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAATGAAG 1260
Db 1201 ATGCTCAAGAACCCAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAATGAAG 1260
QY 1261 AAGCATGAAGTAATGATGGAATTAATCTCAAGAGAGAGCAGACACCTGAAATCAGCAATTT 1380
Db 1261 AAGCATGAAGTAATGATGGAATTAATCTCAAGAGAGAGCAGACACCTGAAATCAGCAATTT 1380
QY 1321 AATGGTGATAATGGATTAATTTCTCAAGAGAGAGCAGACACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATAATGGATTAATTTCTCAAGAGAGAGCAGACACCTGAAATCAGCAATTT 1380
QY 1381 CCTGACAAACGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTCTGACTACAAAGAA 1440
Db 1381 CCTGACAAACGAAAGTGAAGAGTATCACAGAAATTTGCGAATTTAGTTCTGACTACAAAGAA 1440
QY 1441 AAACAGATGCCAAAATACTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAAATACTCTTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
QY 1501 TCAGAGGAGAGTCAAAAGGCTTGAGGCACTGAAATGGCCAGCCAGAGTACAAAT 1560
Db 1501 TCAGAGGAGAGTCAAAAGGCTTGAGGCACTGAAATGGCCAGCCAGAGTACAAAT 1560
QY 1561 TTTATGGCTATCGAAGAAATGAAGAGCAGCAAGTACTCATGTGCGATTTCCAGAAAC 1620
Db 1561 TTTATGGCTATCGAAGAAATGAAGAGCAGCAAGTACTCATGTGCGATTTCCAGAAAC 1620
QY 1621 CTGACTAATGGTGCCACTGCGCAATGGTGATGATGGAATTAATTCCTCAAGAGAGC 1680
Db 1621 CTGACTAATGGTGCCACTGCGCAATGGTGATGATGGAATTAATTCCTCAAGAGAGC 1680
QY 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTACCGAA 1740
Db 1681 AGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTACCGAA 1740
QY 1741 CAAAATGATACTCAGAGCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAG 1800
Db 1741 CAAAATGATACTCAGAGCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAG 1800
QY 1801 ATTCTGATTCAGAGAAAGCAGATAGAAGTGGTTGAAAATGAATTCCTGAGCTTTCT 1860
Db 1801 ATTCTGATTCAGAGAAAGCAGATAGAAGTGGTTGAAAATGAATTCCTGAGCTTTCT 1860
QY 1861 CTTAGTTGTGAAGAAAGAAAGACATCTTGCATGAAATAGTACGTTGCGGGAAGAAAT 1920
Db 1861 CTTAGTTGTGAAGAAAGAAAGACATCTTGCATGAAATAGTACGTTGCGGGAAGAAAT 1920
QY 1921 GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
Db 1921 GCCATGCTAAGACTGGAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAAAAA 1980
QY 1981 AAAAAAAGAAAAAAGAAAAA 2000
Db 1981 AAAAAAAGAAAAAAGAAAAA 2000
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RESULT 10
US-09-822-827-374
; Sequence 374, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-374

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTTGAGGTTGATTCCATGCCGGCTGCTTCTTGTGAAGAGCCATTTGCTCTC 60
Db 1 ATGGTGGTTGAGGTTGATTCCATGCCGGCTGCTTCTTGTGAAGAGCCATTTGCTCTC 60
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Db 61 AGGAGCAAGATGGGCAAGTGGTGGCTTCCCTTCCCTGCTGCGAGGAGAGCGGCAAG 120
QY 121 AGCAACGTGGGCACATTTCTGGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 121 AGCAACGTGGGCACATTTCTGGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCCGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTTG 240
Db 181 ATGGCAAGTGGTGGCCGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTTG 240
QY 241 GCGCTTCTGGAGACCCAGCAGCAGCTCTGCTATGAAGACACTCAGGAAACAGATGGCAAG 300
Db 241 GCGCTTCTGGAGACCCAGCAGCAGCTCTGCTATGAAGACACTCAGGAAACAGATGGCAAG 300
QY 301 TGGTCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGTGGCGCTTGG 360
Db 301 TGGTCTGCCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGTGGCGCTTGG 360
QY 361 GGAGACTAGATGACAGTCCCTTTCATGGAGCCCGAGTACCACGTCGCTGGAGCAAGTCTG 420
Db 361 GGAGACTAGATGACAGTCCCTTTCATGGAGCCCGAGTACCACGTCGCTGGAGCAAGTCTG 420
QY 421 GACAGCTCCACAGAGCTGCCCTGGTGGGTAAGTCCCGAAGAGATCTCATCGTCATG 480
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Db 601 GTCTTTGACAAACAAAGAGGAGGAGCAGCTCTGTATGAAGGCGGTACAATGCCAGGAAGATGAA 660
QY 661 TGTGGTTAATGTTGCTGGAAACATGGCAGTGTATCCAAATATTTCCAGATGAGTATGGAAT 720
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Db 721 ACCACTCTGCACCTACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACGCTCTCTTA 780
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Db 1801 ATTCGATTCATGAAGAAACAGATAGAAAGTGTGAAAAAATGAATTCAGCTTTCT 1860

QY 1861 CTTAGTTGTAAAGAAAAAGACATCTTGCATGAAATAGTACGTTGCGGAGAAAT 1920
Db 1861 CTTAGTTGTAAAGAAAAAGACATCTTGCATGAAATAGTACGTTGCGGAGAAAT 1920
QY 1921 GCCATCTAGACTGGAGCTAGACACAATGAACATCAGACCCAGCTTAAAAA 1980
Db 1921 GCCATCTAGACTGGAGCTAGACACAATGAACATCAGACCCAGCTTAAAAA 1980
QY 1981 AAAAAAAAAAAAAAAAAAAAA 2000
Db 1981 AAAAAAAAAAAAAAAAAAAAA 2000

RESULT 11

US-09-429-755-302
; Sequence 302, Application US/09429755A
; Patent No. US20020111467A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Smith, John M.
; APPLICANT: Reed, Steven G.
; APPLICANT: Misher, Lynda
; APPLICANT: Retter, Marc W.
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; FILE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C6
; CURRENT APPLICATION NUMBER: US/09/429,755A
; CURRENT FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 302
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-429-755-302

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGTGGTGTGAGTTGATTCCTGCGGCTGCTCTTCTGTGAAGAAGCCATTGGTCTC 60
Db 1 ATGTGGTGTGAGTTGATTCCTGCGGCTGCTCTTCTGTGAAGAAGCCATTGGTCTC 60
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Db 121 AGCAACGTGGGCACCTTCTGGAGACCAAGACGACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGCAACCTG 240
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Db 241 GCGGCTTCTGGAGACCAAGGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 300
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Db 301 TGGTGTGCTGCTGCTTCCCTGCTGCGAGGGAGCGGCAAGCAAGTGGGCTGG 360
QY 361 GGAGACTACGATGACAGTGGCTTCTATGAGGCCAGGTACCGCTCCGTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTGGCTTCTATGAGGCCAGGTACCGCTCCGTGGAGAGATCTG 420
QY 421 GACAGCTCCACAGAGCTGGCTGGTGGGTTAAAGTCCCGCAAGAGATCTCATGCTCATG 480
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Qy	1561	TTTTGGCTATCGAAGAAATGAAGACACGGAGTAGTACTCATGTGCGAATTC	1620
		CGAAGAAC	
Db	1561	TTTTGGCTATCGAAGAAATGAAGACACGGAGTAGTACTCATGTGCGAATTC	1620
		CGAAGAAC	
Qy	1621	CTGACTAATGGTGCCACTGCTGGCAATGGTGATCATGATTAATCTCCCAAGGAGGC	1680
		CGAAGAAC	
Db	1621	CTGACTAATGGTGCCACTGCTGGCAATGGTGATCATGATTAATCTCCCAAGGAGGC	1680
		CGAAGAAC	
Qy	1681	AGAACACCTGAAAGCCAGCAATTTCTTGACACTGAGAAATGAAGAGTATCACAGTGACGAA	1740
		CGAAGAAC	
Db	1681	AGAACACCTGAAAGCCAGCAATTTCTTGACACTGAGAAATGAAGAGTATCACAGTGACGAA	1740
		CGAAGAAC	
Qy	1741	CAAAATCATACTCAGAGCAATTTTGTAAGACACAGACACTGGAATTTACACGATGAG	1800
		CGAAGAAC	
Db	1741	CAAAATCATACTCAGAGCAATTTTGTAAGACACAGACACTGGAATTTACACGATGAG	1800
		CGAAGAAC	
Qy	1801	ATTCTGATTCATGAAGAAAGCAGATAGAAAGTGGTTGAAAAATGAATTTCTGAGCTTTCT	1860
		CGAAGAAC	
Db	1801	ATTCTGATTCATGAAGAAAGCAGATAGAAAGTGGTTGAAAAATGAATTTCTGAGCTTTCT	1860
		CGAAGAAC	
Qy	1861	CTTAGTGTGAAGAAAGAAAGACATCTTCATGAAAAATAGTAGTTGCGGGGAAGAAAT	1920
		CGAAGAAC	
Db	1861	CTTAGTGTGAAGAAAGAAAGACATCTTCATGAAAAATAGTAGTTGCGGGGAAGAAAT	1920
		CGAAGAAC	
Qy	1921	GCCATGCTAAGACTGGAGCTAGACACAATGAAACATCAGAGCCAGCTAAAAA	1980
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		CGAAGAAC	
Qy	1981	AAAAAAAAAAAAAAAAAAAA 2000	
		AAAAAAAAAAAAAAAAAAAA	
Db	1981	AAAAAAAAAAAAAAAAAAAA 2000	
		AAAAAAAAAAAAAAAAAAAA	

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RESULT 12
US-09-924-400-303
; Sequence 303, Application US/09924400
; Patent No. US20020165371A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misher, Lynda E.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yasir A. W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; APPLICANT: Li, Samuel X.
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF INFECTION AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C12
; CURRENT APPLICATION NUMBER: US/09/924,400
; CURRENT FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 303
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-924-400-303

Query Match          97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY      1  ATGGTGGTTGAGTTGATTCCATCGCGGCTGCTCTTCTGTGAAGAAGCATTTGGTCTC 60
      |||
DB      1  ATGGTGGTTGAGTTGATTCCATCGCGGCTGCTCTTCTGTGAAGAAGCATTTGGTCTC 60
      |||
QY      61  AGAGCAGACATGGCAGTGGTGTGTCGCCCTTGCCTTCCCTGCTGAGGAGAGCGGCAAG 120
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; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121 427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0.
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-012-896-375

Query Match      97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.88; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGGTGATTCATCGCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
DB 1 ATGGTGGTTGAGGTGATTCATCGCGGCTGCTCTTCTGTGAAGAGCCATTGGTCTC 60
QY 61 AGGAGCAAGATGGGCAAGTGGTCTGCCGTTGCTTCCCTGCTGCGAGGAGCGGCAAG 120
DB 61 AGGAGCAAGATGGGCAAGTGGTCTGCCGTTGCTTCCCTGCTGCGAGGAGCGGCAAG 120
QY 121 AGCAAGTGGGCACTTCTGGAGACACGAGGACTCTGTATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAAGTGGGCACTTCTGGAGACACGAGGACTCTGTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCCGCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGAGCAACGTG 240
DB 181 ATGGCAAGTGGTGGCCGCACTGCTTCCCTGCTGCGAGGGAGTGGCAAGAGCAACGTG 240
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DB 241 GCGGCTTCTGGAGACACGAGGACTCTGTATGAAGACACTCAGGAGCAAGATGGGCAAG 300
QY 301 TGGTGTGCGCACTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGCAAGTGGGCGCTTG 360
DB 301 TGGTGTGCGCACTGCTTCCCTGCTGCGAGGGAGCGGCAAGAGCAAGTGGGCGCTTG 360
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DB 481 CTCAGGGACACTGACGTGAACAGAGAGGAGGAGGAGGAGGAGGACTCTACATCTGGCC 540
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DB 541 TCTGCCAATGGGAATTCAGAAAGTAGTAAACCTCTGCTGGAGAGAGGATGTCAACTTAAT 600
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DB 601 GTCTTGACACAAAGAGGAGGAGCTCTGTATAAGGCGGTCAATGCGAGGAAGATGAA 660
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661 TGTGCGTAAATGTTGCTGGAAATGCGACTGATCCAAATATTCAGATAGTATGGAAT 720
721 ACCACTCTGCACCTACGCTATCTATATGAAGATAAATTAATGCCAAAGACGCTCTTA 780
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961 GTCAGCCTTCTACTTGAGCAAAATATTGATGTATCTTCTCAAGATCTATCTGGACAGCG 1020
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1021 GCGAGAGATGATGCTGTTCTTAGTCATCATGTAATTTGCGAGTACTTCTGACTAC 1080
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1141 CTGACATCAGAGGAAGAGTCAAAAGGTTCAAAGGAGTGAAGTGAAGAGAGAAATGAG 1200
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1681 ACTGCTGCAATGGTGTGATGATGATTAATTTCTCCAGGAGAGAGACACCTGAAAGC 1740
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1861 GAAACAGATAGAGTGGTGTGAAGAAATGAATCTCTAGTCTCTAGTCTGAAGAAA 1920
1876 GAAACAGATAGAGTGGTGTGAAGAAATGAATCTCTAGTCTCTAGTCTGAAGACTG 1935
1921 GAAACAGATAGAGTGGTGTGAAGAAATGAATCTCTAGTCTCTAGTCTGAAGACTG 1980
1936 GAGCTAGACACATGAAGATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAG 1995
1981 GAGCTAGACACATGAAGATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAG 2040

RESULT 14

US-09-895-793-375
; Sequence 375, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqiu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.534C2
CURRENT APPLICATION NUMBER: US/09/895,793
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 375

LENGTH: 2040

TYPE: DNA

ORGANISM: Homo sapien

US-09-895-793-375

Query Match 97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

1 ATGCTGGTGGAGTGGATTCATCGCGCTCCCTCTCTCTGTAAGAGCCATTGGTCTC 60
1 ATGCTGGTGGAGTGGATTCATCGCGCTCCCTCTCTCTGTAAGAGCCATTGGTCTC 60
61 AGGAGCAAGATGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
61 AGGAGCAAGATGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120

121 AGCAACGTGGGCACTTCTGGAGACCACGACGACTCTCTATGAGACACTCAGGAGCAAG 180
121 AGCAACGTGGGCACTTCTGGAGACCACGACGACTCTCTATGAGACACTCAGGAGCAAG 180
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181 ATGGGCAAGTGGTGGCCCACTGCTTCCCTGCTGAGGGGGAGTGCAGAGCAAGCTG 240
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361 GGAGCTACGATGACAGTGCCTTTCATGGAGCCAGGTACCACTCCGTGGAGAGATCTG 420
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Db 1321 AATGGTGATATGATTAATTCCTCAAGGAAGAGCAGAGACACTGAAATTCAGCAATTT 1380
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Db 1548 -----AGAGTGAATAATTTATGGCTATCGAA 1575
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Db 1575 GAAATGAAGAACAGCAGGAGTACTCATGCGGATTCCTGAGAAACCTGACTATGTTGCC 1635
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Db 1861 GAAAGCAGATAGAGTGGTTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1920
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Db 1876 GAAAGCAGATAGAGTGGTTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1935
QY 1921 GAAAGCAGATAGAGTGGTTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1980
Db 1921 GAAAGCAGATAGAGTGGTTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1980
QY 1936 GAGCTAGACACATGAACATCAGAGCCAGCTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1995
Db 1936 GAGCTAGACACATGAACATCAGAGCCAGCTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 1995
QY 1981 GAGCTAGACACATGAACATCAGAGCCAGCTGAAATGAATTCAGCTTTCTTCTAGTTGTAAGAAA 2040
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RESULT 15

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US-09-895-814-375
: Sequence 375, Application US/09895814
: Publication No. US20020193296A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yuqiu
: APPLICANT: Kelos, Michael D.
: APPLICANT: Retter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Carter, Darrick
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: APPLICANT: Li, Samuel X.
: APPLICANT: Wang, Aijun
: APPLICANT: Steiky, Vasir A.W.
: APPLICANT: Hessler, William T.
: APPLICANT: Henderson, Robert A.
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Vinals de Bassols, Carlota
: APPLICANT: Foy, Teresa
: APPLICANT: Fanger, Gary R.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C26
: CURRENT APPLICATION NUMBER: US/09/895,814
: CURRENT FILING DATE: 2001-06-29
: NUMBER OF SEQ ID NOS: 990
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 375
: LENGTH: 2040
: TYPE: DNA
: ORGANISM: Homo sapien
: US-09-895-814-375
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Query Match 97.0%; Score 1940; DB 9; Length 2040;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;
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Db 1 ATGCTGGTGGAGTTGATTCATGCGGGTGCCTTCTGTGAAGAGCCATTGGTCTC 60
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QY 1636 ACTGCTGCAATGGTGTGATGATTAATCTCTCAAGGAGAGAGCAACACCTGAAAGC 1695
Db 1681 ACTGCTGCAATGGTGTGATGATTAATCTCTCAAGGAGAGAGCAACACCTGAAAGC 1740
QY 1696 CAGCAATTCCTGACACTGAGAATGAAGAGTATCACAGTGCAGCAAAATGATACTCAG 1755
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Search completed: June 9, 2003, 13:07:42
Job time : 269.376 secs

Db 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTACGACGACAAATGATCTCAG 1800
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901	CTGGATAGATATGGAAGGACTGCTCTCATCTTGTGATGTTGGATCAGCAAGTATA	960
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RESULT 2
US-09-439-313-375
; Sequence 375, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313

;/ CURRENT FILING DATE: 1999-11-12
;/ NUMBER OF SEQ ID NOS: 575
;/ SOFTWARE: FastSeq for Windows Version 3.0
;/ SEQ ID NO 375
;/ LENGTH: 2040
;/ TYPE: DNA
;/ ORGANISM: Homo sapien
;/ US-09-439-313-375

Query Match 100.0%; Score 2040; DB 4; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTTGAGGTGATTCATCCATGCCGGCTCCCTCTCTGTGAAGAGCCATTGTGCTC 60
DB 1 ATGGTGGTTGAGGTGATTCATCCATGCCGGCTCCCTCTCTGTGAAGAGCCATTGTGCTC 60

QY 61 AGAGCAAGATGGGCAAGTGGTCTGCCGTGTTCCCTGCTGCAGGGAGCGCAAG 120
DB 61 AGAGCAAGATGGGCAAGTGGTCTGCCGTGTTCCCTGCTGCAGGGAGCGCAAG 120

QY 121 AGCAAGTGGGCACTTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAAGTGGGCACTTCTGGAGACCAAGAGCTCTGCTATGAAGACACTCAGGAGCAAG 180

QY 181 ATGGGCAAGTGGTCCGCCACTGTTCCCTGCTGCAGGGAGTGGCAAGACAGCTG 240
DB 181 ATGGGCAAGTGGTCCGCCACTGTTCCCTGCTGCAGGGAGTGGCAAGACAGCTG 240

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DB 241 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300

QY 301 TGGTGTGCACTGTTCCCTGCTGCAGGGAGCGGCAAGAGTGGGCGCTTGG 360
DB 301 TGGTGTGCACTGTTCCCTGCTGCAGGGAGCGGCAAGAGTGGGCGCTTGG 360

QY 361 GGAGACTACGATGACAGTSCCTTTCAGAGGCCAGGTACCAGTCCGTTGGAGAGATCTG 420
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QY 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480
DB 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480

QY 481 CTCAGGACACTGAGTGAACAAAGAGGACAAAGCAAGAGAGTGTCTCATCTGGCC 540
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QY 601 GTCTTTGACAAACAAAAGAGGACAGCTCTGTATAAAGGCCGTACAATGCCAGGAAGATGAA 660
DB 601 GTCTTTGACAAACAAAAGAGGACAGCTCTGTATAAAGGCCGTACAATGCCAGGAAGATGAA 660

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DB 661 TGTGGCTTAATGTTCTGGAAACATGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720

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DB 721 ACCACTCTGCACTACGCTATCTATATGAAGTAAATTAATGGCCAAAGCACTGCTCTTA 780

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DB 1321 AATGTTGATTAATGTTGATTAATCTCTCAAAAGGAGAGCAGAAACCTGAAATCAGCAATTT 1380

QY 1381 CTTGACAAACGAAAGTGAAGAGTATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
DB 1381 CTTGACAAACGAAAGTGAAGAGTATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440

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DB 1501 TCAGAGGAGAGTCAAAAGGCTTGAGGGCAGTGAATAATGGCCAGCCAGAGAAAGATCT 1560

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DB 1741 CAGCAATTTCTGACACTGAGAGTATCAAGATGATGAGTATCAAGATGAGTATCTGATTCATGAA 1800

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DB 1801 AAGCAATTTCTGAGAGCAACCACTGGAATATTTACAGATGAGTATCTGATTCATGAA 1860

QY 1861 GAAAGCAGATAGAGTGGTTGAAAATGATTTCTGAGCTTTCTCTAGTTGTAAGAA 1920
DB 1861 GAAAGCAGATAGAGTGGTTGAAAATGATTTCTGAGCTTTCTCTAGTTGTAAGAA 1920

QY 1921 GAAAAAGACATCTTGCATGAAAATAGTACGTTGGGGAGAAATTTGCCATGCTAAGCTG 1980
DB 1921 GAAAAAGACATCTTGCATGAAAATAGTACGTTGGGGAGAAATTTGCCATGCTAAGCTG 1980

QY 1981 GAGCTAGACAAATGAAACATCAGAGCCAGCTGAAAAAATAAAAAAAAAAAAAAAAAAAAAA 2040

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RESULT 3				
US-09-352-616A-375				
Sequence 375, Application US/09352616A				
Patent No. 6395278				
GENERAL INFORMATION:				
APPLICANT: Dillion, Davin C.				
APPLICANT: Harlocker, Susan Louise				
APPLICANT: Jiang, Yuqui				
APPLICANT: Xu, Jiangchun				
APPLICANT: Mitcham, Jennifer Lynn				
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS				
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE				
FILE REFERENCE: 210121.427C8				
CURRENT APPLICATION NUMBER: US/09/352.616A				
CURRENT FILING DATE: 1999-07-13				
NUMBER OF SEQ ID NOS: 472				
SOFTWARE: FastSeq for Windows Version 3.0				
SEQ ID NO 375				
LENGTH: 2040				
TYPE: DNA				
ORGANISM: Homo sapien				
US-09-352-616A-375				
Query Match	100.0%;	Score 2040;	DB 4;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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Db	1	ATGGTGGTTCGAGGTGTGATTCCATGCCGGCTGCCTCTTCTGTGAAGAACCCATTGGTCTC	60	
Qy	61	AGGAGCAAGATGGCAAGTGGTGTGCGTTGCTTCCCTCTGTCAGGGAGAGCGGCAAG	120	
Db	61	AGGAGCAAGATGGCAAGTGGTGTGCGTTGCTTCCCTCTGTCAGGGAGAGCGGCAAG	120	
Qy	121	AGCAACTGTGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180	
Db	121	AGCAACTGTGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180	
Qy	181	ATGGGCAAGTGGTGC	240	
Db	181	ATGGGCAAGTGGTGC	240	
Qy	241	GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300	
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Db	301	TGCTGTGTCACACTGCTTCCCTCTGTCAGGGGAGCGGCAAGCAAGTGGGCGCTTG	360	
Qy	361	GGAGACTACGATGACAGTGCCTTTCATGGAGCCAGGATACCAAGTGGGAGGAGATCTG	420	
Db	361	GGAGACTACGATGACAGTGCCTTTCATGGAGCCAGGATACCAAGTGGGAGGAGATCTG	420	
Qy	421	GACAGCTCCACAGAGCTGCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
Db	421	GACAGCTCCACAGAGCTGCTGGTGGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
Qy	481	CTCAGGAGCACTGACGTGAAACAGAGGACCAAGCAAGAAAGAGGAGTCTCTACATCTGGCC	540	
Db	481	CTCAGGAGCACTGACGTGAAACAGAGGACCAAGCAAGAAAGAGGAGTCTCTACATCTGGCC	540	
Qy	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTCTGTCGACAGACGATGTCAACTTAAT	600	
Db	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTCTGTCGACAGACGATGTCAACTTAAT	600	
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601	Db	601	GTCCTTGACAAACAAAAGAGACGACGTCTCTGATAAAGCCGCTACAAATGCCAGGAAGATGAA	660
661	Qy	661	TGTCGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTCAGAGATGAGTATGGAAAT	720
661	Db	661	TGTCGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTCAGAGATGAGTATGGAAAT	720
721	Qy	721	ACCACTCTGCACATACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACCTGCTCTTA	780
721	Db	721	ACCACTCTGCACATACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCACCTGCTCTTA	780
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781	Db	781	TATGGTCTGATATCGAATCAGAAAAACAGCATGGCCTCACACACCTGTTTACTTGGTGTA	840
841	Qy	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAAATTTAAATGCA	900
841	Db	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAAATTTAAATGCA	900
901	Qy	901	CTGATATAGATATGGAAGGACTGCTCTCATACTTGTCTGTATGTTGTGATCAGCAAGTATA	960
901	Db	901	CTGATATAGATATGGAAGGACTGCTCTCATACTTGTCTGTATGTTGTGATCAGCAAGTATA	960
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961	Db	961	GTCAGCCCTTCTATGAGCAAAATATGATGTATCTTCTCAAGATCTATCTGGACAGACG	1020
1021	Qy	1021	GCCAGAGATGCTGTTTCTAGTCATCATCTGTAATTTGCCAGTTTACTTTCTGACTAC	1080
1021	Db	1021	GCCAGAGATGCTGTTTCTAGTCATCATCTGTAATTTGCCAGTTTACTTTCTGACTAC	1080
1081	Qy	1081	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140
1081	Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140
1141	Qy	1141	CTGACATCAGAGGAGAGTCAAAAGGTTCAAAGGCGAGTGAAATAATGCCAGCCAGAGAAA	1200
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1201	Qy	1201	ATGTCCTCAAGAACAGAAAAATAATAGGATGGTGATAGAGAGGTTGAAGAGAAATGAAG	1260
1201	Db	1201	ATGTCCTCAAGAACAGAAAAATAATAGGATGGTGATAGAGAGGTTGAAGAGAAATGAAG	1260
1261	Qy	1261	AAGCATGAAATTAATGTGGGATTACTAGAAAACTGACTAATGTGTCTACTGCTGGC	1320
1261	Db	1261	AAGCATGAAATTAATGTGGGATTACTAGAAAACTGACTAATGTGTCTACTGCTGGC	1320
1321	Qy	1321	ANTGGTGATTAATGGATTAATCTCAAAGGAGAGAGAGAAACACTGTAATCTGCTGCTGCTG	1380
1321	Db	1321	ANTGGTGATTAATGGATTAATCTCAAAGGAGAGAGAGAAACACTGTAATCTGCTGCTGCTG	1380
1381	Qy	1381	CCTGACAAACGAAAGTGAAGAGTATCAGAAATTTGCGAATTTAGTTTCTGACTACAAGAA	1440
1381	Db	1381	CCTGACAAACGAAAGTGAAGAGTATCAGAAATTTGCGAATTTAGTTTCTGACTACAAGAA	1440
1441	Qy	1441	AAACAGATGCAAAAAATCTCTTCTGAAAAACAGCAACCCAGAAACAAAGCTTTAAAGCTGACA	1500
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1501	Db	1501	TCAGAGGAGAGTCAAAAGGCTTGAGGCGAGTGAAAAATGGCCAGCCAGAGAAAAAGATCT	1560
1561	Qy	1561	CAGAACCCGAAATAATAGGATGGTGATAGAGAGCTAGAAAAATTTATGGCTATCGAA	1620
1561	Db	1561	CAGAACCCGAAATAATAGGATGGTGATAGAGAGCTAGAAAAATTTATGGCTATCGAA	1620
1621	Qy	1621	GAAATGAAGAACGACGGAAGTACTCATGTCCGAAATCCAGAAAAACCTGACTAATGTGGCC	1680
1621	Db	1621	GAAATGAAGAACGACGGAAGTACTCATGTCCGAAATCCAGAAAAACCTGACTAATGTGGCC	1680
1681	Qy	1681	ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGCGAGAACACCTGAAAGC	1740
1681	Db	1681	ACTGCTGGCAATGGTGATGATTAATTTCTTCCAGGAAGAGCGAGAACACCTGAAAGC	1740

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DB 1801 AGCAATTTTGTGAAGAACAGACACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
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DB 1861 GAAAAGCAGATGAGATGGTTGAAAAAATGAATTTCTGAGCTTTCTCTTAGTTCTTAAGAAA 1920
QY 1921 GAAAAGCAGATTTGATGAAATAGTACGTTGCGGGAAGAAATGCCATGCTAAGACTG 1980
DB 1921 GAAAAGCAGATTTGATGAAATAGTACGTTGCGGGAAGAAATGCCATGCTAAGACTG 1980
QY 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTAAAAAATGAAAAAATGAAAAAATGAAAAA 2040
DB 1981 GAGCTAGACACAAATGAAACATCAGAGCCAGCTAAAAAATGAAAAAATGAAAAAATGAAAAA 2040

RESULT 4
US-09-605-785-374
; Sequence 374, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaogun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-605-785-374
Query Match 95.1%; Score 1940; DB 4; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTTCTGTGAAGAGCCATTTGGTCTC 60
DB 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTTCTGTGAAGAGCCATTTGGTCTC 60
QY 61 AGGAGCAAGATGGGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 120
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QY 121 AGCAACCTGGGCACTTTCTGGAGACCAAGCACTGCTGATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAACCTGGGCACTTTCTGGAGACCAAGCACTGCTGATGAAGACACTCAGGAGCAAG 180

QY 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTTG 240
DB 181 ATGGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGAGCAACGTTG 240
QY 241 GGGCTTTCTGGAGACCAAGCACTGCTGATGAAGACACTCAGGAAACAGATGGGCAAG 300
DB 241 GGGCTTTCTGGAGACCAAGCACTGCTGATGAAGACACTCAGGAAACAGATGGGCAAG 300
QY 301 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
DB 301 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 360
QY 361 GGAGACTACGATGACAGTGGCTTTCATGGAGCCAGGTACACGTCCTGGAGAGATCTG 420
DB 361 GGAGACTACGATGACAGTGGCTTTCATGGAGCCAGGTACACGTCCTGGAGAGATCTG 420
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DB 601 GTCTTTGACAAACAAAGAGGACAGCTCTGTATAAGGCGGTACAAATGCCAGGAAGTAA 660
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DB 841 CATGAGCAAAAAACAGCAAGTGGTGAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA 900
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DB 901 CTGGATAGATATGGAAGACTGCTCTCATCTGCTGATGTTGTTGATGATGATGATGATG 960
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1321 AATGGTGAATGATTAATTCCTCAAAGGAGAGCAGAACACCTGGAATAATCAGCAATTT 1380
1321 AATGGTGAATGATTAATTCCTCAAAGGAGAGCAGAACACCTGGAATAATCAGCAATTT 1380
1381 CCTGACAAAGAACTGAAGAGTATCAGAGATTTGCGAATTAAGTTCTGACTACAAAGAA 1440
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1501 TCAGAGAAAGAGTACAAAGGCTTGAGGCGAGTGAAATATGGCCAGCAGAGAAAGATCT 1560
1561 CAAGAACCAAGAAATATAAGGATGGTGATAGAGAGCTAGAAAATTTTATGGCTATCGAA 1620
1548 -----AGAGCTAGAAAATTTTATGGCTATCGAA 1575
1621 GAAATGAAGAGCAAGCAAGTACTCATGTCGGATTCCCGAGAAACCTGACTAATGTTGCC 1680
1576 GAAATGAAGAGCAAGCAAGTACTCATGTCGGATTCCCGAGAAACCTGACTAATGTTGCC 1635
1681 ACTGCTGGCAATGGTGATGATTAATTCCTCCAGGAGAGCAGAACACCTGGAAGC 1740
1636 ACTGCTGGCAATGGTGATGATTAATTCCTCCAGGAGAGCAGAACACCTGGAAGC 1695
1741 CAGCAATTCCTGACACTGAGATGAAGAGTATCAGAGTATCAGAGCAAGAAATGATCTAG 1800
1696 CAGCAATTCCTGACACTGAGATGAAGAGTATCAGAGTATCAGAGCAAGAAATGATCTAG 1755
1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTACAGCATGAGATTCTGATTTCATGAA 1860
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1861 GAAAGCAGATAGAGTGGTTGAAAAATGAATCTTGAGCTTTCTTCTAGTTGTAAGAAA 1920
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1921 GAAAGCAGATAGAGTGGTTGAAAAATGAATCTTGAGCTTTCTTCTAGTTGTAAGAAA 1980
1876 GAAAGCAGATAGAGTGGTTGAAAAATGAATCTTGAGCTTTCTTCTAGTTGTAAGAAA 1935
1981 GAGCTAGACAAATGAAACATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAGAG 2040
1936 GAGCTAGACAAATGAAACATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAGAG 1995

RESULT 5

US-09-439-313-374

Sequence 374, Application US/09439313

Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqi

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: Solk, John

APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

FILE REFERENCE: 210121.427C9

CURRENT APPLICATION NUMBER: US/09/439,313

CURRENT FILING DATE: 1999-11-12

NUMBER OF SEQ ID NOS: 575

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 374

LENGTH: 2000

TYPE: DNA

ORGANISM: Homo sapien

US-09-439-313-374

Query Match

95.1%; Score 1940; DB 4; Length 2000;

Best Local Similarity 97.8%; Pred. No. 0;

Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

QY 1 ATGGTGGTGGAGTTGATTCATTCGCGGCTCGCTCTCTGTGAAGAGACCATTTGGTCTC 60
DB 1 ATGGTGGTGGAGTTGATTCATTCGCGGCTCGCTCTCTGTGAAGAGACCATTTGGTCTC 60
QY 61 AGGAGCAAGATGGGCAAGTGGTCTGCGCTTCTCCCTGCTGCAGGGAGAGCGGCAAG 120
DB 61 AGGAGCAAGATGGGCAAGTGGTCTGCGCTTCTCCCTGCTGCAGGGAGAGCGGCAAG 120
QY 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCAGGGAGAGTGGCAAGCAAGCTG 240
DB 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCAGGGAGAGTGGCAAGCAAGCTG 240
QY 241 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
DB 241 GCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG 300
QY 301 TGGTGTGCTGCACTGCTTCCCTGCTGCAGGGAGAGCGGCAAGCAAGTGGGCGCTTGG 360
DB 301 TGGTGTGCTGCACTGCTTCCCTGCTGCAGGGAGAGCGGCAAGCAAGTGGGCGCTTGG 360
QY 361 GGAGACTACGATGACAGTGGCTTCTGAGAGCCAGGATACACCTCGTGGAGAGATCTG 420
DB 361 GGAGACTACGATGACAGTGGCTTCTGAGAGCCAGGATACACCTCGTGGAGAGATCTG 420
QY 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCGTCATG 480
DB 421 GACAGCTCCACAGAGCTGCTGGTGGGTAAAGTCCCGAGAAAGATCTCATCGTCATG 480
QY 481 CTCAGGCACTGACGCTGAAACAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
DB 481 CTCAGGCACTGACGCTGAAACAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 540
QY 541 TGTGCAATGGGAATTCAGAGTGTGAAATCTCTGCTGGACAGAGTGTCAACTTAAT 600
DB 541 TGTGCAATGGGAATTCAGAGTGTGAAATCTCTGCTGGACAGAGTGTCAACTTAAT 600
QY 601 GTCCCTTGACAAACAAAGAGGAGCAGCTCTGATAAGGCGCTACAAATGCCAGGAAGATGAA 660
DB 601 GTCCCTTGACAAACAAAGAGGAGCAGCTCTGATAAGGCGCTACAAATGCCAGGAAGATGAA 660
QY 661 TGTGCTTAATGTTGCTGGAAATGCGCACTGATCCAAATATTCCAGATGAGTATGAAAT 720
DB 661 TGTGCTTAATGTTGCTGGAAATGCGCACTGATCCAAATATTCCAGATGAGTATGAAAT 720
QY 721 ACCACTGCTGACTACGCTATCTAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 721 ACCACTGCTGACTACGCTATCTAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAAACAGAGTGGCTCACACCACTGTTCTTGTGTGA 840
DB 781 TATGCTGCTGATATCGAATCAAAAACAGAGTGGCTCACACCACTGTTCTTGTGTGA 840
QY 841 CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA 900
DB 841 CATGAGCAAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAAGCGAATTTAAATGCA 900
QY 901 CTGGATAGATATGGAGGAGCTGCTCTCATATCTTGTGTATGTTGTGGATCAGCAAGTATA 960


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Db 901 CTGATAGATATGAAGAGCTGCTCTCATCTTCTGTATGTTGGATCAGCAAGTATA 960
QY 961 GTGACGCTTCTACTGTGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGCG 1020
Db 961 GTGACGCTTCTACTGTGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGCG 1020
QY 1021 GCCAGAGAGTATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTTGACTAC 1080
Db 1021 GCCAGAGAGTATGCTGTTTCTAGTCATCATCATGTAATTTGCCAGTTACTTCTTGACTAC 1080
QY 1081 AAAGAAAAACAGATGCTTAAATAATCTTCTTGAACAGCAATCCAGACAGACTTAAAG 1140
Db 1081 AAAGAAAAACAGATGCTTAAATAATCTTCTTGAACAGCAATCCAGACAGACTTAAAG 1140
QY 1141 CTGACATCAGAGGAAGTGCACAAAGGTTCAAAAGGCTGAAATAGCCAGCCAGAGAAA 1200
Db 1141 CTGACATCAGAGGAAGTGCACAAAGGTTCAAAAGGCTGAAATAGCCAGCCAGAGAAA 1200
QY 1201 ATGCTCTCAGAACCCAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAAGTAAAG 1260
Db 1201 ATGCTCTCAGAACCCAGAAATAAATAGGATGGTGATAGAGAGTTGAAGAAAGTAAAG 1260
QY 1261 AAGCATGAAGTAAATATGTTGGATTAAGTAAACCTGACTAATGGTGTCACTGCTGGC 1320
Db 1261 AAGCATGAAGTAAATATGTTGGATTAAGTAAACCTGACTAATGGTGTCACTGCTGGC 1320
QY 1321 AATGTTGATTAATGATTAATTCCTCAAGGAAGAGCAGAACACCTGAAATACAGCAATTT 1380
Db 1321 AATGTTGATTAATGATTAATTCCTCAAGGAAGAGCAGAACACCTGAAATACAGCAATTT 1380
QY 1381 CTTGACAAAGAGTGAAGAGTATCAGAAATTTGCGAAATTAATTTCTGACTACAAAGAA 1440
Db 1381 CTTGACAAAGAGTGAAGAGTATCAGAAATTTGCGAAATTAATTTCTGACTACAAAGAA 1440
QY 1441 AAACAGATGCCAAATACCTTCTGAAACAGCAACCCAGCAAGACTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATACCTTCTGAAACAGCAACCCAGCAAGACTTAAAGCTGACA 1500
QY 1501 TCAGAGGAAGAGTGCACAAAGGCTTGAGGCGAGTGAATAATGGCCAGCCAGAGAAAGATCT 1560
Db 1501 TCAGAGGAAGAGTGCACAAAGGCTTGAGGCGAGTGAATAATGGCCAGCCAGAGAAAGATCT 1560
QY 1561 CAAGAACCCAGAAATAAATGAAGATGGTGATAGAGAGTGAATAATTTATGGCTATCGAA 1620
Db 1561 CAAGAACCCAGAAATAAATGAAGATGGTGATAGAGAGTGAATAATTTATGGCTATCGAA 1620
QY 1621 GAAATGAAGAGCAGGAGTACTCATGTGCGAATTCCTCGAAGAAACCTGACTAATGGTGGC 1680
Db 1621 GAAATGAAGAGCAGGAGTACTCATGTGCGAATTCCTCGAAGAAACCTGACTAATGGTGGC 1680
QY 1681 ACTGCTGGCAATGGTGATGATGATGATTAATTCCTCAAGGAAGAGCAGACACTGAAAGC 1740
Db 1681 ACTGCTGGCAATGGTGATGATGATGATTAATTCCTCAAGGAAGAGCAGACACTGAAAGC 1740
QY 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCAGAGTGAAGAAACCAAAATGATCTCAG 1800
Db 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCAGAGTGAAGAAACCAAAATGATCTCAG 1800
QY 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATTAATTTACAGTGAAGATCTGATTCATGAA 1860
Db 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATTAATTTACAGTGAAGATCTGATTCATGAA 1860
QY 1861 GAAAGAGCAGATAGAGTGGTTGAAATAATGAAATTTCTGAGCTTTCTTTAGTTGTAAGAAA 1920
Db 1861 GAAAGAGCAGATAGAGTGGTTGAAATAATGAAATTTCTGAGCTTTCTTTAGTTGTAAGAAA 1920
QY 1921 GAAAAAGACATCTTGCATGAAAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAGACTG 1980
Db 1921 GAAAAAGACATCTTGCATGAAAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAGACTG 1980
QY 1981 GAGCTAGACACAAATGAACATCAGAGCCAGCTTAAATAAAAAAAAAAAAAAAAAAAAAA 2040
Db 1981 GAGCTAGACACAAATGAACATCAGAGCCAGCTTAAATAAAAAAAAAAAAAAAAAAAAAA 2040
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Db 1936 GAGCTAGACACAATGAACATCAGAGCCAGCTAAATAAAAAAAAAAAAAAAAAAAAAA 1995

RESULT 6

US-09-352-616A-374
; Sequence 374, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillion, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-374

Query Match 95.1%; Score 1940; DB 4; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

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QY 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTTCTGTGAAGAGCAATTTGGTCTC 60
Db 1 ATGGTGGTTGAGGTTGATTCCATGCGGCTGCTTCTGTGAAGAGCAATTTGGTCTC 60
QY 61 AGGAGCAAGATGGGCAAGTGGTGGCTGCTTCCCTGCTGCGAGGAGAGCGGCAAG 120
Db 61 AGGAGCAAGATGGGCAAGTGGTGGCTGCTTCCCTGCTGCGAGGAGAGCGGCAAG 120
QY 121 AGCAACGTGGGCACTTTCTGGAGACCCAGACGACTCTGTATGAAGACACTCAGGAGCAAG 180
Db 121 AGCAACGTGGGCACTTTCTGGAGACCCAGACGACTCTGTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCGGCTGCTTCCCTGCTGCGAGGAGGAGTGGCAAGCAACGTG 240
Db 181 ATGGCAAGTGGTGGCGGCTGCTTCCCTGCTGCGAGGAGGAGTGGCAAGCAACGTG 240
QY 241 GCGCTTCTGGAGACCCAGACGACTCTGTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 241 GCGCTTCTGGAGACCCAGACGACTCTGTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
QY 301 TGGTGTCCCACTGCTTCCCTGCTGCGAGGAGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
Db 301 TGGTGTCCCACTGCTTCCCTGCTGCGAGGAGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
QY 361 GGAGCTACGATGACAGTGCCTTCTATGAGGCCAGGTTACCACTGCTCCGTGGAGAAAGTCTG 420
Db 361 GGAGCTACGATGACAGTGCCTTCTATGAGGCCAGGTTACCACTGCTCCGTGGAGAAAGTCTG 420
QY 421 GACAAGCTTCCACAGAGTGCCTGTTGGGTAAAGTCCCGAGAAAGGATCTCATCTGTCATG 480
Db 421 GACAAGCTTCCACAGAGTGCCTGTTGGGTAAAGTCCCGAGAAAGGATCTCATCTGTCATG 480
QY 481 CTCAGGACACTGACGCTGCAAGAGGAGCAAGCAAGAGGACTGTCTACATCTGCGCC 540
Db 481 CTCAGGACACTGACGCTGCAAGAGGAGCAAGCAAGAGGACTGTCTACATCTGCGCC 540
QY 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTCTGTGGACAGAGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGGAATTCAGAGTAGTAAACTCTCTGTGGACAGAGATGTCAACTTAAT 600
QY 601 GTCCTTGACAAACAAAAAGAGGACAGCTCTGATTAAGGCCGTACAAATGCCAGGAAGATGAA 660
Db 601 GTCCTTGACAAACAAAAAGAGGACAGCTCTGATTAAGGCCGTACAAATGCCAGGAAGATGAA 660
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Db 883 TGTGCGTAATGTTGCTGGAACATGCGACATGATCCAAATATTCAGATGATGGAAT 942
Qy 721 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACTACGCTCTAYATGAAGATAAATAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TAGGTGCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 840
Db 1003 TAYGGTCTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGTGTA 1062
Qy 841 CATGAGCAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAAGGGAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAAGGGAATTTAAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTGGATCACAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTGGATCACAAGTAT 1182
Qy 960 AGTCAGCTTCTACTTGGACAAATATTTGATGATCTTCTCAAGATCTATCTGACAGAC 1019
Db 1183 AGTCAGCTTCTACTTGGACAAATATTTGATGATCTTCTCAAGATCTATCTGACAGAC 1238
Qy 1020 GGCAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCAGTTACTTCTGACTA 1079
Db 1239 GGCAGAGATGCTGTTTCTAGTATCATCATGTAATTTGGCAGTTACTTCTGACTA 1298
Qy 1080 CAAAGAAAAACAGATGCTAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1139
Db 1299 CAAAGAAAAACAGATGCTAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1358
Qy 1140 GCTGACATCAGAGAAAGATGCTCAAAAGGTTCAAAAGGCTGAAATAGCCAGCAGAG 1197
Db 1359 GCTGACATCAGAGAAAGATGCTCAAAAGGCTTAAAGGAGTGAAGAACAGCCAGCAGAG 1416

RESULT 9

US-09-062-451-295
Sequence 295, Application US/09062451
Patent No. 6344550
GENERAL INFORMATION:
APPLICANT: Frudakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TREATMENT AND DIAGNOSIS OF BREAST CANCER
NUMBER OF SEQUENCES: 297
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/062,451
FILING DATE: 04-APR-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,492
REFERENCE/DOCKET NUMBER: 210121.419C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 295:
SEQUENCE CHARACTERISTICS:
LENGTH: 1853 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-09-062-451-295

Query Match
Best Local Similarity 56.3%; Score 1147.6; DB 4; Length 1853;
Matches 1163; Conservative 23; Mismatches 7; Indels 5; Gaps 2;

Qy 1 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGTGCTC 60
Db 223 ATGGTGGTTGAGTTGATTCCATGCGGCTGCTCTTCTGTGAAGAGCCATTGTGCTC 282
Qy 61 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTCTCCCTGCTGCAAGGAGAGCGCAAG 120
Db 283 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTCTCCCTGCTGCAAGGAGAGCGCAAG 342
Qy 121 AGCAACGTGGGCACTTTCTGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAGCAAG 180
Db 343 AGCAACGTGGGCACTTTCTGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAGCAAG 402
Qy 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCAAGGAGAGTGGCAAGCAGCTG 240
Db 403 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCAAGGAGAGTGGCAAGCAGCTG 462
Qy 241 GCGGCTTCTGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 463 GCGGCTTCTGGAGACCAAGACACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 522
Qy 301 TGGTCTGCCACTGCTTCCCTGCTGCAAGGAGAGCGGCAAGAGTGGGCGCTTGG 360
Db 523 TGGTCTGCCACTGCTTCCCTGCTGCAAGGAGAGCGGCAAGAGTGGGCGCTTGG 582
Qy 361 GGAGACTAGATGACAGTGCCTTCTATGAGGCCAGGTACCAAGTGGGAGAGATCTG 420
Db 583 GGAGACTAGATGACAGTGCCTTCTATGAGGCCAGGTACCAAGTGGGAGAGATCTG 642
Qy 421 GACAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 480
Db 643 GACAAGCTCCACAGAGCTGCTTGGTGGGTAAAGTCCCGAGAAAGGATCTCATCGTCATG 702
Qy 481 CTCAGGACACTGACGTGAACAAAGAGGACAAAGCAAGAGAGGAGTCTCTACATCTGGCC 540
Db 703 CTCAGGACACTGACGTGAACAAAGAGGACAAAGCAAGAGAGGAGTCTCTACATCTGGCC 762
Qy 541 TCTGCCAATGGGAATTCAGAGTAGTAAATCTCTGCTGGACAGAGATGTCAACTTAAT 600
Db 763 TCTGCCAATGGGAATTCAGAGTAGTAAATCTCTGCTGGACAGAGATGTCAACTTAAT 822
Qy 601 GTCCTTTGACAAACAAAGAGGACAGCTCTGTATAGGCGGTACAAATGCCAGAGATGAA 660
Db 823 GTCCTTTGACAAACAAAGAGGACAGCTCTGTATAGGCGGTACAAATGCCAGAGATGAA 882
Qy 661 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCAAAATATTTCCAGATGAGTATGAAAT 720
Db 883 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTTCCAGATGAGTATGAAAT 942
Qy 721 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
Db 943 ACCACTCTGCACTACGCTATCTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 1002
Qy 781 TATGGTGTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGGTGA 840
Db 1003 TATGGTGTGATATCGAATCAAAAAACAAGCATGGCTCACACCTGTTACTTGGTGA 1062
Qy 841 CATGAGCAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAAGGGAATTT-AAATGC 899
Db 1063 CATGAGCAAAAACAGCAAGTCGTGAATTTTAAATCAAGAAAAAGGGAATTTAAATGC 1122
Qy 900 ACTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTGGATCAGCAAGTAT 959
Db 1123 RCTGGATAGATATGGAAGGACTGCTCTCATACTTGTGTATGTTGTGGATCAGCAAGTAT 1182

/	APPLICANT: Hepler, William					
/	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND					
/	FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER					
/	FILE REFERENCE: 210121.427C16					
/	CURRENT APPLICATION NUMBER: US/09/605,785					
/	CURRENT FILING DATE: 2000-06-27					
/	NUMBER OF SEQ ID NOS: 835					
/	SOFTWARE: FastSeq for Windows Version 3.0					
/	SEQ ID NO 373					
/	LENGTH: 1155					
/	TYPE: DNA					
/	ORGANISM: Homo. sapien					
/	US-09-605-785-373					
Query Match						55.5%; Score 1131.6; DB 4; Length 1155;
Best Local Similarity						99.6%; Pred. No. 5.8e-288;
Matches 1134; Conservative						0; Mismatches 4; Indels 0; Gaps 0;
Qy	1	ATGCTGGTTGAGGTTGATTCCATGCCCGCTGCCTTCTCTGTGAAGAAGCCATTGTTGTC.	60			
Dd	1	ATGCTGGTTGAGGTTGATTCCATGCCCGCTGCCTTCTCTGTGAAGAAGCCATTGTTGTC	60			
Qy	61	AGGAGCAAGATGGCCAAGTGTGTCGCCGTTGCTTCCCCTCTCGCAGGAGACGGCGAAG	120			
Dd	61	AGGAGCAAGATGGCCAAGTGTGTCGCCGTTGCTTCCCCTCTCGCAGGAGACGGCGAAG	120			
Qy	121	AGCAACGTGGGCACCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGAGCAAG	180			
Dd	121	AGCAACGTGGGCACCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGAGCAAG	180			
Qy	181	ATGGGCAAGTGGTGC CGCACCTGCTTCCCCTGCTG CAGGGGAGTGGCAAGCAAACGTG	240			
Dd	181	ATGGGCAAGTGGTGC CGCACCTGCTTCCCCTGCTG CAGGGGAGTGGCAAGCAAACGTG	240			
Qy	241	GGCGCTTCTGGAGACCACGACCTGCTATGAAGACACTCAGAACAAAGATGGCGAAG	300			
Dd	241	GGCGCTTCTGGAGACCACGACCTGCTATGAAGACACTCAGAACAAAGATGGCGAAG	300			
Qy	301	TGTTGCTGCCACTGCTTCCCCCTGCTG CAGGGGAGCGCAAGACAAGGTGGCGCTTGG	360			
Dd	301	TGTTGCTGCCACTGCTTCCCCCTGCTG CAGGGGAGCGCAAGACAAGGTGGCGCTTGG	360			
Qy	361	GGAGACTACGATGACAGTGCCCTT CATGGAGCCCAAGGTACCAAGTCCGTGGAGAAAGATCTG	420			
Dd	361	GGAGACTACGATGACAGTGCCCTT CATGGAGCCCAAGGTACCAAGTCCGTGGAGAAAGATCTG	420			
Qy	421	GACAAGCTCCACACAGCTGCTGTTGGGTAAAGTCCCCCAAGAAAGGATCTCATGTCATG	480			
Dd	421	GACAAGCTCCACACAGCTGCTGTTGGGTAAAGTCCCCCAAGAAAGGATCTCATGTCATG	480			
Qy	481	CTCAGGGACACTGACGTGAAACAAGAGGACAAAGCAAGAGGAGTGTCTACATCTGCGCC	540			
Dd	481	CTCAGGGACACTGACGTGAAACAAGAGGACAAAGCAAGAGGAGTGTCTACATCTGCGCC	540			
Qy	541	TCTGCCAATGGGAATTTCAGAAAGTAGTAATAATCTCTGCTGGACACAGATGTCAACTTAAT	600			
Dd	541	TCTGCCAATGGGAATTTCAGAAAGTAGTAATAATCTCTGCTGGACACAGATGTCAACTTAAT	600			
Qy	601	GTCCTTTCACAAACAAAAGAGACAGCTCTGTATTAAGCCGTACAAATGCCAGAGATGAA	660			
Dd	601	GTCCTTTCACAAACAAAAGAGAGACAGCTCTGTATTAAGCCGTACAAATGCCAGAGATGAA	660			
Qy	661	TGTGCGTTAATGTTGCTGGAACTGGCACTGATCCAAATATTCAGATGAGTATGGAAT	720			
Dd	661	TGTGCGTTAATGTTGCTGGAACTGGCACTGATCCNAATATTCAGATGAGTATGGAAT	720			
Qy	721	ACCACTCTGCACACTACGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780			
Dd	721	ACCACTCTGCACACTACGCTATCTATAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTA	780			
Qy	781	TATGGTCTGNATTCGAATCAAAAAACAAGCATGGCCTCACACCACTGTTACTTGGTGTA	840			
Dd	781	TATGGTCTGNATTCGAATCAAAAAACAAGCATGGCCTCACACCACTGTTACTTGGTGTA	840			

QY 901 CTGGATAGATGGAAGGACTGCTCTCATACTTCTGTATGTTGTGGATCAGCAAGTATA 960
Db 901 CTGGATAGATGGAAGGACTGCTCTCATACTTCTGTATGTTGTGGATCAGCAAGTATA 960
QY 961 GTACGCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGACG 1020
Db 961 GTACGCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGACG 1020
QY 1021 GCCAGAGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTAC 1080
Db 1021 GCCAGAGATGCTGTTTCTAGTCATCATGTAATTTGCCAGTTACTTTCTGACTAC 1080
QY 1081 AAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTAA 1138
Db 1081 AAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAAAAATGCTCAA 1138

RESULT 14

US-09-605-785-530

; Sequence 530, Application US/09605785

; Patent No. 6321716

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C16

; CURRENT APPLICATION NUMBER: US/09/605,785

; CURRENT FILING DATE: 2000-06-27

; NUMBER OF SEQ ID NOS: 835

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 530

; LENGTH: 1852

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-605-785-530

Query Match 44.78; Score 912.8; DB 4; Length 1852;
Best Local Similarity 90.5; Pred. No. 2.4e-230;
Matches 1010; Conservative 0; Mismatches 72; Indels 34; Gaps 2;
QY 216 CAGGGGAGTGGCAAGCAACGTTGGCGCTTCTGGAGACCAAGCACTCTGCTATGAA 275
Db 771 CAGGGGAGCGGCAAGCAACGTTGGCGCTTCTGGAGACCAACGCACTCTCTGTGA 830
QY 276 GACACTCAGAACAAAGATGGCGAAGTGGTCTGCGCACTGTTCCCTGCTGCGAGGGAG 335
Db 831 GACGCTTGGGAGCAAGAGTGCAGTGGTCTGCGCACTGTTCCCTGCTGCGAGGGAG 890
QY 336 CGGCAAGCAAGTGGCGCTTGGGAGACTAGATGACAGTGCCTTCATGAGGCCAG 395
Db 891 CGGCAAGCAAGTGGTGGCTTGGGAGACTAGATGACAGCGCTTCATGATCCAG 950
QY 396 GTACCACTCGTGGAGAACTCTGGCAAGCTCCACAGAGTGCCTGGTGGGTAAGT 455
Db 951 GTACCACTCGTGGAGAACTCTGGCAAGCTCCACAGAGTGCCTGGTGGGTAAGT 1010
QY 456 CCCAGAAAGGATCTCATCTGCTATGCTCAGGACACTGACGTGAACAAAGAACAGCA 515

Db 1011 CCCGAAAGGATCTCATCTGCTCAGGACACGAGTGTGAACAGAGGACAGCA 1070
QY 516 AAAGAGGACTGCTTACATCTGCGCTCTGCCAATGGGAATTCAGAAGTAGTAAACTCCT 575
Db 1071 AAAGAGGACTGCTTACATCTGCGCTCTGCCAATGGGAATTCAGAAGTAGTAAACTCCT 1130
QY 576 GTGGACAGACGATGTCATCTTAATGCTTTCGACAAACAAAGAGACAGCTCTGATAAA 635
Db 1131 GCTGGACAGACGATGTCATCTTAATGCTTTCGACAAACAAAGAGACAGCTCTGATAAA 1190
QY 636 GCGCTTACATGCCAGGAGATGAATGTCGCTTAATGTCGCTGGAACATGGCACTATCC 695
Db 1191 GCGCTTACATGCCAGGAGATGAATGTCGCTTAATGTCGCTGGAACATGGCACTATCC 1250
QY 696 AATATATCCAGATGAGTATGGAATAACCACTCTGCACCTACGCTATCTATAATCAAGATA 755
Db 1251 AATATATCCAGATGAGTATGGAATAACCACTCTGCACCTATCTATAATCAAGATA 1310
QY 756 ATTAATGGCCAAAGCACTGCTTTATATGCTGATATCGAATCAAAAACAAAGCATGG 815
Db 1311 ATTAATGGCCAAAGCACTGCTTTATATGCTGATATCGAATCAAAAACAAAGCATGG 1370
QY 816 CCTCACCACTGTTACTTGGTGTACATCAGCAAAAACAAAGCAAGTCTGTAATTTAAT 875
Db 1371 CCTCACCACTGTTACTTGGTGTACATCAGCAAAAACAAAGCAAGTCTGTAATTTAAT 1430
QY 876 CAAGAAAAAAGCGAATTTAAATGCACTGATAGATGGAAGGACGCTCTCATCTTGC 935
Db 1431 CAAGAAAAAAGCGAATTTAAATGCGCTGATAGATGGAAGGACGCTCTCATCTTGC 1490
QY 936 TGTATGTTGTGGATCAGCAAGTATAGTACGCTTCTTACTTGAGCAAAATATTGATGATC 995
Db 1491 TGTATGTTGTGGATCAGCAAGTATAGTACGCTTCTTACTTGAGCAAAATATTGATGATC 1550
QY 996 TTCTCAAGATCTATCTGGACAGCGCCAGAGAGTATGCTTTCTAGTCATCATCATGT 1055
Db 1551 TTCTCAAG----ATCTGGAAGACGCGCCAGAGAGTATGCTTTCTAGTCATCATCATGT 1606
QY 1056 AATTTGCCAGTTACTTTCTGACTACAAAGAAACAGAGTCTTCTTCTGAATA 1115
Db 1607 AATTTGCCAGTTACTTTCTGACTACAAAGAAACAGAGTCTTCTTCTGAATA 1666
QY 1116 CAGCAATCCAGAACAGACTTAAAGCTGACATCAGAGGAAGAGTCAAAAGGTTCAAAGG 1175
Db 1667 CAGCAATCCAGAACAGACTTAAAGCTGACATCAGAGGAAGAGTCAAAAGGTTCAAAGG 1726
QY 1176 CAGTGAATAATGCCAGCCAGAGAAATGCTCAAGAACCCAGAAATTAATAAGGATGGTGA 1235
Db 1727 AAGTGAATAACAGCCAGCCAGAGCTAGAAGATTATGGCTATTGAAGAAATGAAG--- 1782
QY 1236 TAGAGAGGTTGAAGAAATGAAGAGCATGAAGTAAATATGTCGGGATTACTAGAAA 1295
Db 1783 -----AACACGGAAGTACTCATGTGGGATTCCAGAAAA 1816
QY 1296 CTGACTAATGCTGTCACCTGCTGGCAATGGTATAA 1331
Db 1817 CTGACTAAGGTCGCGCTGCTGGCAATGGTATAA 852

RESULT 15

US-09-439-313-530

; Sequence 530, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Devin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 530
LENGTH: 1852
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-530

Query Match 44.7%; Score 912.8; DB 4; Length 1852;
Best Local Similarity 90.5%; Pred. No. 2.4e-230;
Matches 1010; Conservative 0; Mismatches 72; Indels 34; Gaps 2;

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QY	276	GACACTCAGGAACAAGATGGCAAGTGGTGTGCTGCCACTCTCCCTGCTGAGGGGAG	335
DB	831	GACGCTTGGGACNAGAGGTGCAAGTGGTGTGCTGCCACTCTCCCTGCTGAGGGGAG	890
QY	336	CGGCAAGAGCAAGTGGCGCTTGGGAGCTACGATGACGTGCTTCATGGAGCCGAG	395
DB	891	CGGCAAGAGCAAGTGGTGGTGGTGGGAGCTACGATGACGCGCTTCATGGATCCGAG	950
QY	396	GTACCACGTCCTGAGAGATCTGGACAGCTCCACAGAGCTGCTGGTGGGTAAAGT	455
DB	951	GTACCACGTCCTGAGAGATCTGGACAGCTCCACAGAGCTGCTGGTGGGTAAAGT	1010
QY	456	CCCCAGAAAGGATCTCATGCTCATGCTCAGGACACTGACGTGAAACAAGAGGACAAGCA	515
DB	1011	CCCCAGAAAGGATCTCATGCTCATGCTCAGGACACTGACGTGAAACAAGAGGACAAGCA	1070
QY	516	AAAGAGGACTGCTTACATCTGGCCCTCGCCAAATGGGAATTCAGAACTGTAATCTCT	575
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QY	576	GCTGACAGAGGATGTCACCTTAATGTCTTGACAAACAAAGAGGACAGCTCTGATAA	635
DB	1131	GCTGACAGAGGATGTCACCTTAATGTCTTGACAAACAAAGAGGACAGCTCTGATAA	1190
QY	636	GGCGGTACAATGCCAGGAAGATGAATGCGTTAATGTTGTTGGAACATGGCACTGATCC	695
DB	1191	GGCGGTACAATGCCAGGAAGATGAATGCGTTAATGTTGTTGGAACATGGCACTGATCC	1250
QY	696	AAATATTCAGATGATGGAATACCACTGCTGACCTACGCTATCTATAATGAAGATAA	755
DB	1251	AAATATTCAGATGATGGAATACCACTGCTGACCTATCTATGCTGTACAATGAAGATAA	1310
QY	756	ATTAATGGCCAAAGCACTGCTCTTATATGTTGTTGATATCAATCAAAACAAAGCATGG	815
DB	1311	ATTAATGGCCAAAGCACTGCTCTTATATGTTGTTGATATCAATCAAAACAAAGCATGG	1370
QY	816	CCTCACACCACTGTTACTTGGTGTACATGAGCAAAACAGCAAGTCTGTAATTTTAAAT	875
DB	1371	CCTCACACCACTGTTACTTGGTGTACATGAGCAAAACAGCAAGTCTGTAATTTTAAAT	1430
QY	876	CAAGAAAAAGCGAATTTAAATGACATGGATAGATAGAAAGGACTGCTCTCATCTTGC	935
DB	1431	CAAGAAAAAGCGAATTTAAATGACATGGATAGATAGAAAGGACTGCTCTCATCTTGC	1490
QY	936	TGATATGTTGGATCAGCAAGTATAGTCAGCTTCTACTTGGCAAAATATTGATGATC	995
DB	1491	TGATATGTTGGATCAGCAAGTATAGTCAGCTTCTACTTGGCAAAATATTGATGATC	1550
QY	996	TTCTCAAGATCTATCTGGACAGCGCCAGAGAGTATGCTGTTTCTAGTCATCATGT	1055

Search completed: June 9, 2003, 10:01:12
Job time : 119.099 secs

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QY	1116	CAGCAATCCAGAAACAAGACTTAAAGCTGACATCAGAGGAAGAGTCACAAGGTTCAA	1175
DB	1667	CAGCAATCCAGAAACAAGACTTAAAGCTGACATCAGAGGAAGAGTCACAAGGTTCAA	1726
QY	1176	CAGTGAATAATAGCCAGCCAGAGAAAAATGTCTCAAGAACCCAGAAAAATAAAGG	1235
DB	1727	AAAGTGAATAACAGCCAGCCAGAGCTAGAAGATTTATGGCTATTGAAGAGAATGA	1782
QY	1236	TAGAGAGGTTGAGAGAAAGAAATGAAGAGCATGAAAGTAAATAATGTTGGGATTA	1295
DB	1783	-----AACACGGAAGTACTCATGTGGGATTCACAGAAAA	1816
QY	1296	CCTGACTAATGTTGTTGCTGCTGCTGCAATGGTGATAA	1331
DB	1817	CCTGACTAACGGTGGCTGCTGCAATGGTGATAA	1852

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 9, 2003, 09:39:18 ; Search time 267.624 Seconds
(without alignments) 10668.172 Million cell updates

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Perfect score: 2040
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Scoring table: IDENTITY NUC

Searched: 870385 seqs, 699768693 residues

Total number of hits satisfying chosen parameters: 1740770

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Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 entries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query			DB	ID	Description
		Match	Length				
1	2040	100.0	2040	9	US-09-924-400-303	Sequence 303, App	
2	2040	100.0	2040	9	US-10-012-896-375	Sequence 375, App	
3	2040	100.0	2040	9	US-09-895-793-375	Sequence 375, App	
4	2040	100.0	2040	9	US-09-895-814-375	Sequence 375, App	
5	2040	100.0	2040	9	US-10-010-940-375	Sequence 375, App	
6	2040	100.0	2040	10	US-09-825-301-7	Sequence 7, Appli	
7	2040	100.0	2040	10	US-09-759-143-375	Sequence 375, App	
8	2040	100.0	2040	10	US-09-780-669-375	Sequence 375, App	
9	2040	100.0	2040	10	US-09-810-936-303	Sequence 303, App	
10	2040	100.0	2040	10	US-09-828-821-375	Sequence 375, App	
11	2040	100.0	2040	10	US-09-429-755-303	Sequence 303, App	
12	1940	95.1	2000	9	US-09-924-400-302	Sequence 302, App	
13	1940	95.1	2000	9	US-10-012-896-374	Sequence 374, App	
14	1940	95.1	2000	9	US-09-895-793-374	Sequence 374, App	
15	1940	95.1	2000	9	US-09-895-814-374	Sequence 374, App	
16	1940	95.1	2000	9	US-10-010-940-374	Sequence 374, App	
17	1940	95.1	2000	10	US-09-825-301-6	Sequence 6, Appli	
18	1940	95.1	2000	10	US-09-759-143-374	Sequence 374, App	
19	1940	95.1	2000	10	US-09-780-669-374	Sequence 374, App	

ALIGNMENTS

RESULT 1
US-09-924-400-303
; Sequence 303, Application US/09924400

GENEALOGICAL INFORMATION:

/ APPLICANT: Frudakis, Tony N.
/ APPLICANT: Reed, Steven G.
/ APPLICANT: Smith, John M.
/ APPLICANT: Mishner, Lynda E.
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yasir A. W.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Li, Samuel X.
/ APPLICANT: Deng, Ta

	Query Match	100.0%;	Score 2040;	DB 9;	Length 2040;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0
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Db	1	ATGTGGTTGAGTTGATTCCATGCCGGTGCCTCTCTGTGAAGAAGCCATTTGGTCTC	60		
Qy	61	AGGAGCAAGATGGCGCAGTGGTGCTGCCGTTGCTTCCCTGCTGCAGGAGAGCGGCAAG	120		
Db	61	AGGAGCAAGATGGCGCAGTGGTGCTGCCGTTGCTTCCCTGCTGCAGGAGAGCGGCAAG	120		

121 AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGCACTCAGGAGCAAG 180
121 AGCAAGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGCACTCAGGAGCAAG 180
181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGAGGGAGTGGGCAAGCAAGCTG 240
181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGCTGCGAGGGAGTGGGCAAGCAAGCTG 240
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241 GGGGCTTCTGGAGACCAAGCACTGCTGCTATGAAGCACTCAGGAAACAGATGGGCAAG 300
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1141 CTGACATCAGAGAGAGTCAACAGGTTCAAGGCGTGAAGTAAAGTAAAGTAAAGTAAAG 1200
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1801 AAGCAATTTGTAAG 1860
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1861 GAAAGCAGATAGAGTGGTGAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 1920
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1921 GAAAGACATCTTGGCATGAAATAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 1980
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1981 GAGTAGACACAAATGAAGCAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 2040
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RESULT 2

US-10-012-896-375
; Sequence 375, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.

APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Repler, William T.
 APPLICANT: Henderson, Robert A.
 APPLICANT: McNeill, John
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Houghton, Raymond L.
 APPLICANT: Vinals de Bassols, Carlota
 APPLICANT: Foy, Teresa
 APPLICANT: Fanger, Gary R.
 APPLICANT: Wantanabe, Yoshihiro
 APPLICANT: Meagher, Madeleine Joy
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.427C27
 CURRENT APPLICATION NUMBER: US/10/012,896
 CURRENT FILING DATE: 2001-12-10
 NUMBER OF SEQ ID NOS: 1011
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 375
 LENGTH: 2040
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-012-896-375

Query Match 100.0%; Score 2040; DB 9; Length 2040;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	1	ATGGTGGTGGAGTTGATTCCATGCGGCTGCTCTTCTGTGAAGACCATTTGGTCTC	60
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DB	61	AGGAGCAAGTGGGCAAGTGGTGGTCCCTGCTTCCCTGCTGAGGAGGCGGCAAG	120
QY	121	AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180
DB	121	AGCAACGTGGGCACTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAG	180
QY	181	ATGGGCAAGTGGTGGGCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGCAACGTG	240
DB	181	ATGGGCAAGTGGTGGGCACTGCTTCCCTGCTGAGGAGGAGTGGCAAGCAACGTG	240
QY	241	GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
DB	241	GGCGCTTCTGGAGACCAAGCACTCTGCTATGAAGACACTCAGGAGCAAGTGGGCAAG	300
QY	301	TGGTGTGCCACTGCTTCCCTGCTGAGGAGGAGGCGGCAAGCAAGTGGGCTTGG	360
DB	301	TGGTGTGCCACTGCTTCCCTGCTGAGGAGGAGGCGGCAAGCAAGTGGGCTTGG	360
QY	361	GGAGCACTACGATGACAGTCCCTCATGAGGCCCAAGTACCAAGTGGGAGAGATCTG	420
DB	361	GGAGCACTACGATGACAGTCCCTCATGAGGCCCAAGTACCAAGTGGGAGAGATCTG	420
QY	421	GACAAGCTCCACAGAGTCCCTGCTGGGTAAGTCCCAAGAGGATCTCATGTCATG	480
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QY	481	CTCAGGACACTGACGTTGAAACAGAGGACCAAGCAAGAGGAGTCTCTACATCTGGCC	540
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2Y	601	GTCCTTCACAAACAAAGAGGACAGTCTGTATGAAGGCGGTACAAATGCCAGGAGATGAA	660
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QY	661	TGTGCGTTAAATGTTGCTGGAACATGCGCACTGATCCAAATATTTCCAGATGAGTATGGAAT	720
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DB	901	CTGGATAGATATGGAAGGACTGCTCTCATATCTGCTGATGTTGGATCAGCAAGTATA	960
QY	961	GTCAGCCTTCTACTGTGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGAG	1020
DB	961	GTCAGCCTTCTACTGTGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGAG	1020
QY	1021	GCCAGAGAGTATGCTGTTTCTAGTCATCATCTGTAATTTTCCAGTTTACTTTCTGACTAC	1080
DB	1021	GCCAGAGAGTATGCTGTTTCTAGTCATCATCTGTAATTTTCCAGTTTACTTTCTGACTAC	1080
QY	1081	AAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTTAAAG	1140
DB	1081	AAGAAAAACAGATGCTAAAAATCTTCTGAAAAACAGCAATCCAGAACAGACTTTAAAG	1140
QY	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCTAGTAAAAATAGCCAGCCAGAGAAA	1200
DB	1141	CTGACATCAGAGGAGAGTCAAAAGGTTTCAAGGCTAGTAAAAATAGCCAGCCAGAGAAA	1200
QY	1201	ATGCTCTCAAGAACCAAGATAAATAAGGATGGTGTATAGAGAGGTTGAAGAGAAATGAAG	1260
DB	1201	ATGCTCTCAAGAACCAAGATAAATAAGGATGGTGTATAGAGAGGTTGAAGAGAAATGAAG	1260
QY	1261	AAGCATGAAAGTAAATAATGTGGGATTACTAGAAAACTGACTAATGTGTCTGCTGGC	1320
DB	1261	AAGCATGAAAGTAAATAATGTGGGATTACTAGAAAACTGACTAATGTGTCTGCTGGC	1320
QY	1321	AATGCTGATTAATGGAATTAATCTCAAGGAAGAGCAGAACACCTGAAAAATCAGCAATTT	1380
DB	1321	AATGCTGATTAATGGAATTAATCTCAAGGAAGAGCAGAACACCTGAAAAATCAGCAATTT	1380
QY	1381	CCTGACAAACGAAAGTGAAGAGATATCAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA	1440
DB	1381	CCTGACAAACGAAAGTGAAGAGATATCAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA	1440
QY	1441	AAACAGATGCCAAAAATCTCTTCTGAAAAACAGCAACCCAGAACAGACTTTAAAGCTGACA	1500
DB	1441	AAACAGATGCCAAAAATCTCTTCTGAAAAACAGCAACCCAGAACAGACTTTAAAGCTGACA	1500
QY	1501	TCAGAGAGAGTCAAAAGGCTTGAGGGCAGTGAATAATGGCCAGCCAGAGAAAAAGATCT	1560
DB	1501	TCAGAGAGAGTCAAAAGGCTTGAGGGCAGTGAATAATGGCCAGCCAGAGAAAAAGATCT	1560
QY	1561	CAAGAACCCAGAAATAATAGGATGGTGTATAGAGAGCTAGAAAAATTTTATGGCTATCGAA	1620
DB	1561	CAAGAACCCAGAAATAATAGGATGGTGTATAGAGAGCTAGAAAAATTTTATGGCTATCGAA	1620
QY	1621	GAAATGAAGAGCAGCGAAGTACTCATGTCCGATTTCCAGAAAACTGACTAATGGTGCC	1680
DB	1621	GAAATGAAGAGCAGCGAAGTACTCATGTCCGATTTCCAGAAAACTGACTAATGGTGCC	1680
QY	1681	ACTGCTGGCAATGGTGTATGATGATTAATTTCTCCAGGAAGAGCAGAACACCTGGAAGC	1740
DB	1681	ACTGCTGGCAATGGTGTATGATGATTAATTTCTCCAGGAAGAGCAGAACACCTGGAAGC	1740
QY	1741	CAGCAATTTCTGACACTGAGAAATGAAGATATCAGATGACGAAACAAATGATCTCAG	1800


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Db 1741 CAGCAATTTCTGACACTGAGATGAGAGTATCATCAGTGAAGCAAAATGATCTAG 1800
Qy 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTACAGATGAGATTCGTATTCATGAA 1860
Db 1801 AAGCAATTTTGTGAAGAACAGAACTGGAATATTACAGATGAGATTCGTATTCATGAA 1860
Qy 1861 GAAAGCAGATAGAGTGTGTGAAGAAATGAATTCGTAGCTTCTCTTAGTTGTAAGAA 1920
Db 1861 GAAAGCAGATAGAGTGTGTGAAGAAATGAATTCGTAGCTTCTCTTAGTTGTAAGAA 1920
Qy 1921 GAAAGAGACATCTTGATGAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAAGACTG 1980
Db 1921 GAAAGAGACATCTTGATGAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAAGACTG 1980
Qy 1981 GAGCTAGACATGAAATGAAATCAGAGCCAGCTGTAAGAAATGAAATGAAATGAAATGAA 2040
Db 1981 GAGCTAGACATGAAATGAAATCAGAGCCAGCTGTAAGAAATGAAATGAAATGAAATGAA 2040

RESULT 3
US-09-895-793-375
; Sequence 375, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jianshun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalog, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS OF METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-375

Query Match 100.0%; Score 2040; DB 9; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGTGGTTGAGTTGATTCCATGCGGTGCTCTCTGTGAAGAGCCATTGGTCTC 60
Db 1 ATGGTGGTTGAGTTGATTCCATGCGGTGCTCTCTGTGAAGAGCCATTGGTCTC 60
Qy 61 AGGAGCAGATGGCAAGTGTGTCGCTGCTTCCCTGCTCAGGAGAGCGGCAAG 120
Db 61 AGGAGCAGATGGCAAGTGTGTCGCTGCTTCCCTGCTCAGGAGAGCGGCAAG 120
Qy 121 ACCAACGTGGGCACTTCTGGAGACCAGCACTCTGCTNTGAGACACTCAGGAGCAAG 180

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Db 121 AGCAAGCTGGGCACTTCTGGAGACACAGCACTCTGCTATGAAGCACTCAGGAGCAAG 180
Qy 181 ATGGGCAAGTGTGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
Db 181 ATGGGCAAGTGTGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAACGTG 240
Qy 241 GCGGCTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Db 241 GCGGCTTCTGAGACACGACGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG 300
Qy 301 TGGTGTCTCCACTGCTTCCCTGCTGAGGGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
Db 301 TGGTGTCTCCACTGCTTCCCTGCTGAGGGGAGCGCAAGAGCAAGTGGGCGCTTGG 360
Qy 361 GGAGACTACGATGACAGTGCCTTATGAGAGCCAGGTACACGTCGTTGGAGAGATCTG 420
Db 361 GGAGACTACGATGACAGTGCCTTATGAGAGCCAGGTACACGTCGTTGGAGAGATCTG 420
Qy 421 GACAAGCTCCACAGAGCTGCTGTTGGGTTAAAGTCCCGAGAAAGATCTCATCTCATG 480
Db 421 GACAAGCTCCACAGAGCTGCTGTTGGGTTAAAGTCCCGAGAAAGATCTCATCTCATG 480
Qy 481 CTCAGGGACACTGACGCTGAACAAGAGCAGCAAGCAAGAGAGACTGCTCTACATCTGCC 540
Db 481 CTCAGGGACACTGACGCTGAACAAGAGCAGCAAGCAAGAGAGACTGCTCTACATCTGCC 540
Qy 541 TCTGCCAATGGAAATCAGAAAGTAGTAAATCTCTGCTGGACAGACGATGTCAACTTAAT 600
Db 541 TCTGCCAATGGAAATCAGAAAGTAGTAAATCTCTGCTGGACAGACGATGTCAACTTAAT 600
Qy 601 GTCTTTGACAAACAAAAAGAGGACGCTCTGATAAAGCGCGTACAATCCAGGAAGATGAA 660
Db 601 GTCTTTGACAAACAAAAAGAGGACGCTCTGATAAAGCGCGTACAATCCAGGAAGATGAA 660
Qy 661 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTCAGATGAGTGAAT 720
Db 661 TGTGGTTAATGTTGCTGGAAACATGGCACTGATCCAAATATTCAGATGAGTGAAT 720
Qy 721 ACCACTCTGACTACGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
Db 721 ACCACTCTGACTACGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
Qy 781 TATGGTCTGATATCGAATCAAAAAACAAGCATGGCTCACACCACTGTTACTTGGTGA 840
Db 781 TATGGTCTGATATCGAATCAAAAAACAAGCATGGCTCACACCACTGTTACTTGGTGA 840
Qy 841 CATGAGCAAAACAGCAAGTGTGCAATTTTAAATCAAGAAACCAATTTAAATGCA 900
Db 841 CATGAGCAAAACAGCAAGTGTGCAATTTTAAATCAAGAAACCAATTTAAATGCA 900
Qy 901 CTGGATAGATATGGAAGGACTGCTCTCATCTGCTGATGTTGGGATCAGCAAGTATA 960
Db 901 CTGGATAGATATGGAAGGACTGCTCTCATCTGCTGATGTTGGGATCAGCAAGTATA 960
Qy 961 GTCAGCCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGC 1020
Db 961 GTCAGCCTTCTACTTGGAGCAAAATATTGATGATCTTCTCAAGATCTATCTGGACAGC 1020
Qy 1021 GCCAGAGAGTATGCTGTTCTAGTCATCATGTAATTTGCCAGTACTTCTTGACTAC 1080
Db 1021 GCCAGAGAGTATGCTGTTCTAGTCATCATGTAATTTGCCAGTACTTCTTGACTAC 1080
Qy 1081 AAGAAAAACAGATGCTTAAATATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG 1140
Db 1081 AAGAAAAACAGATGCTTAAATATCTCTTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG 1140
Qy 1141 CTGACATCAGAGGAAGTCAAAAGGTTCAAGGCTGAGTGAATAGCCAGCAGAGAAA 1200
Db 1141 CTGACATCAGAGGAAGTCAAAAGGTTCAAGGCTGAGTGAATAGCCAGCAGAGAAA 1200
Qy 1201 ATGTCTCAAGAACAGAAATTAATTAAGATGCTGATAGAGGTTGAAGAAAGATGAAG 1260

```

1201	ATGTCTCAAGAAC	CAGAAATAAATAAGGATGGTGATAGAGAGGTTGAAGAAGAAATGAAG	1260
1261	AAGCATGAAGTAGTAA	TATGTGGGATTACTAGAAAACTGACTAATGGTGTCACCTGCTGGC	1320
1261	AAGCATGAAGTAGTAA	TATGTGGGATTACTAGAAAACTGACTAATGGTGTCACCTGCTGGC	1320
1321	AATGGTGATAA	TGGATTAAATTCCTCAAGGAAGAGCAGAACACCTCGAAAATCAGCAATTT	1380
1321	AATGGTGATAA	TGGATTAAATTCCTCAAGGAAGAGCAGAACACCTCGAAAATCAGCAATTT	1380
1381	CCTGACAA	CGAAAGTGAAGTAGTATCAGAAATTTGGAAATAGTCTTGACTCAAAAGAA	1440
1381	CCTGACAA	CGAAAGTGAAGTAGTATCAGAAATTTGGAAATAGTCTTGACTCAAAAGAA	1440
1441	AAACAGATCG	CCAAAATACCTCTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTTGACA	1500
1441	AAACAGATCG	CCAAAATACCTCTCTGAAAACAGCAACCCAGAACAGACTTAAAGCTTGACA	1500
1501	TCAGAGGAAGAGT	CAACAAGGCTTTGAGGGCAGTGAAAATGGCCAGCCAGCAAGAAAGATCT	1560
1501	TCAGAGGAAGAGT	CAACAAGGCTTTGAGGGCAGTGAAAATGGCCAGCCAGCAAGAAAGATCT	1560
1561	CAAGAA	CCAGAAATAAATAAGGATGGTGATAGAGACTAGNAAATTTATGGCTATCGAA	1620
1561	CAAGAACCA	GNAATAAATAAGGATGGTGATAGAGACTAGNAAATTTATGGCTATCGAA	1620
1621	GAAATGAAGAAG	CACGGAAGTACTCATGTCCGATTTCCAGAAAACTGACTAATGGTGC	1680
1621	GAAATGAAGAAG	CACGGAAGTACTCATGTCCGATTTCCAGAAAACTGACTAATGGTGC	1680
1681	ACTGCTGGCAAT	TGGTGATGATGATTAATTCCTCAAGGAAGCAGCAACACCTGAAAGC	1740
1681	ACTGCTGGCAAT	TGGTGATGATGATTAATTCCTCAAGGAAGCAGCAACACCTGAAAGC	1740
1741	CAGCAATTTCTG	CACACTCAGAAATGAAGTAGTATCAGTGACGACGACAAAATGATCTCAG	1800
1741	CAGCAATTTCTG	CACACTCAGAAATGAAGTAGTATCAGTGACGACGACAAAATGATCTCAG	1800
1801	AAGCAATTTTGT	GAAAGAACAGAACACTGGAAATTTACACGATGAGATCTGATTCATGAA	1860
1801	AAGCAATTTTGT	GAAAGAACAGAACACTGGAAATTTACACGATGAGATCTGATTCATGAA	1860
1861	GAAAGCAGAT	GAGAGTGGTTGAAAATGMAATCTGAGCTTCTCTTAGTTGTAAGAAA	1920
1861	GAAAGCAGAT	GAGAGTGGTTGAAAATGMAATCTGAGCTTCTCTTAGTTGTAAGAAA	1920
1921	GAAAAGACAT	CTTCGATGAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAAGACTG	1980
1921	GAAAAGACAT	CTTCGATGAAATAGTACGTTGCGGGAAGAAATGGCCATGCTAAGACTG	1980
1981	GAGCTAGAC	ACAATCAACATCAGGCCAGCTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	2040
1981	GAGCTAGAC	ACAATCAACATCAGGCCAGCTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	2040

RESULT 4

US-09-895-814-375

Sequence 375. Application IIS/09895814

Sequence 373, Application US/0961800
Publication No. US20020193296A1

GENERAL INFORMATION:

APPLICANT: XU, JIANGCHUN

APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yugu

APPLICANT: Kalos, Michael D.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: LI, Samuel X.

APPLICANT: Wang, Aijun

```

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-375

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Query Match	100.0%;	Score 2040;	DB 9;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	ATGGTGTTGAGGTTGATTCATGCCGGTGCTCTTGTGAAGAGCCATTGGTCTC	60	
DB	1	ATGGTGTTGAGGTTGATTCATGCCGGTGCTCTTGTGAAGAGCCATTGGTCTC	60	
QY	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTTCCCTGCTGAGGGAGAGCGGCAAG	120	
DB	61	AGGAGCAAGATGGGCAAGTGGTGCTGCTTCCCTGCTGAGGGAGAGCGGCAAG	120	
QY	121	AGCAACGTGGGCACCTCTGGAGACCAGCAGACTCTGCTATGAAGACACTCAGAGGCAAG	180	
DB	121	AGCAACGTGGGCACCTCTGGAGACCAGCAGACTCTGCTATGAAGACACTCAGAGGCAAG	180	
QY	181	ATGGGCAAGTGTGCCCGCCACTGCTTCCCCTGCTGACGGGGAGTGGCAAGCAACGTG	240	
DB	181	ATGGGCAAGTGTGCCCGCCACTGCTTCCCCTGCTGACGGGGAGTGGCAAGCAACGTG	240	
QY	241	GGCGCTTCTGGAGACCAAGCAGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG	300	
DB	241	GGCGCTTCTGGAGACCAAGCAGACTCTGCTATGAAGACACTCAGGAAACAAGATGGGCAAG	300	
QY	301	TGGTGTGCCACTGCTTCCCCTGCTGAGGGGAGCGGCAAGCAAGGTGGGCGCTTGG	360	
DB	301	TGGTGTGCCACTGCTTCCCCTGCTGAGGGGAGCGGCAAGCAAGGTGGGCGCTTGG	360	
QY	361	GGAGACTACGATGACAGTGCCTTTCATGGAGCCAGGTACCAAGTCCGTGGAGAAATCTG	420	
DB	361	GGAGACTACGATGACAGTGCCTTTCATGGAGCCAGGTACCAAGTCCGTGGAGAAATCTG	420	
QY	421	GACAAGCTCCAGAGAGTGCCTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
DB	421	GACAAGCTCCAGAGAGTGCCTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATG	480	
QY	481	CTCAGGGACACTGACGTGCAACAAGAGGACCAAGCAAAAGAGGACCTGCTACATCTGGCC	540	
DB	481	CTCAGGGACACTGACGTGCAACAAGAGGACCAAGCAAAAGAGGACCTGCTACATCTGGCC	540	
QY	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGGACAGACGATGTCAACTTAAT	600	
DB	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAACTCTGCTGGACAGACGATGTCAACTTAAT	600	
QY	601	GTCCTTGAACAACAAAGAGGACAGCTCTGATAAAGGCGGTACAATGCCAGGAAGATGAA	660	
DB	601	GTCCTTGAACAACAAAGAGGACAGCTCTGATAAAGGCGGTACAATGCCAGGAAGATGAA	660	
QY	661	TGTGGTTAATGTTGCTGGAACATGGCACTGATCCAAATATTTCAGATGAGTATGGAAT	720	
DB	661	TGTGGTTAATGTTGCTGGAACATGGCACTGATCCAAATATTTCAGATGAGTATGGAAT	720	

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QY 721 ACCACTCTGCTAGCTATCTATTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
DB 721 ACCACTCTGCTAGCTATCTATTAATGAAGATAAATAATGCGCAAGCACTGCTCTTA 780
QY 781 TATGCTGCTGATATCGAATCAAAACCAAGCATGCGCTCACACCACTGTTTGGTGA 840
DB 781 TATGCTGCTGATCGAATCAAAACCAAGCATGCGCTCACACCACTGTTTGGTGA 840
QY 841 CATGAGCAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
DB 841 CATGAGCAAAACAGCAAGTCTGTAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
QY 901 CTGGATAGATATGGAAGGACTCTCTCATACTTGTGTATGTTGTGGATCAGCAAGTATA 960
DB 901 CTGGATAGATATGGAAGGACTCTCTCATACTTGTGTATGTTGTGGATCAGCAAGTATA 960
QY 961 GTGAGCTTCTACTTGGACAAATAATTTGATGTATCTTCTCAAGATCTATCTGGACAGCG 1020
DB 961 GTGAGCTTCTACTTGGACAAATAATTTGATGTATCTTCTCAAGATCTATCTGGACAGCG 1020
QY 1021 GCCAGAGATGCTGTTTCTAGTATCATCATGTAAATTTGCCAGTTACTTTCTGACTAC 1080
DB 1021 GCCAGAGATGCTGTTTCTAGTATCATCATGTAAATTTGCCAGTTACTTTCTGACTAC 1080
QY 1081 AAGAAAAACAGATGCTAAATAATCTTCTGAAACAGCAATCCAGAACAGACTTAAAG 1140
DB 1081 AAGAAAAACAGATGCTAAATAATCTTCTGAAACAGCAATCCAGAACAGACTTAAAG 1140
QY 1141 CTGACATCAGAGAAAGAGTCAAAAGGTTCAAAAGCAGTGAATAATAGCCAGAGAAA 1200
DB 1141 CTGACATCAGAGAAAGAGTCAAAAGGTTCAAAAGCAGTGAATAATAGCCAGAGAAA 1200
QY 1201 ATGCTCTCAAGAACCAAGAAATAAATGAAGATGTATAGAGAGTTGGAAGAAATGAAG 1260
DB 1201 ATGCTCTCAAGAACCAAGAAATAAATGAAGATGTATAGAGAGTTGGAAGAAATGAAG 1260
QY 1261 AAGCATGAAAGTAATTAATGTTGGATTACTAGAAACCTGACTTAATGTTGTCACCTGGC 1320
DB 1261 AAGCATGAAAGTAATTAATGTTGGATTACTAGAAACCTGACTTAATGTTGTCACCTGGC 1320
QY 1321 AATGCTGATATGGAATTAATCTCTCAAGGAGAGCAGAACACCTGAAATCAGCAATTT 1380
DB 1321 AATGCTGATATGGAATTAATCTCTCAAGGAGAGCAGAACACCTGAAATCAGCAATTT 1380
QY 1381 CCTGACAGAAAGTGAAGATATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
DB 1381 CCTGACAGAAAGTGAAGATATCAAGAAATTTGCGAATTTAGTTTCTGACTACAAAGAA 1440
QY 1441 AAACAGATGCCAAATATCTTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
DB 1441 AAACAGATGCCAAATATCTTCTGAAACAGCAACCCAGAACAGACTTAAAGCTGACA 1500
QY 1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGCGAGTGAATAATGCGCCAGAGAAAGATCT 1560
DB 1501 TCAGAGGAAGAGTCAAAAGGCTTGAGGCGAGTGAATAATGCGCCAGAGAAAGATCT 1560
QY 1561 CAAGAACCAAGAAATAAATGAAGATGTTGATAGAGAGTGAATAATTTTATGGCTATCGAA 1620
DB 1561 CAAGAACCAAGAAATAAATGAAGATGTTGATAGAGAGTGAATAATTTTATGGCTATCGAA 1620
QY 1621 GAAATGAAGAGCAGGAAGTACTCATGTGCGATTTCCAGAAAAACCTGACTTAATGGTGCC 1680
DB 1621 GAAATGAAGAGCAGGAAGTACTCATGTGCGATTTCCAGAAAAACCTGACTTAATGGTGCC 1680
QY 1681 ACTGCTGGCAATGGTGATGGATTAAATCTTCAAGGAAGAGCAGAAACCTGGAAGC 1740
DB 1681 ACTGCTGGCAATGGTGATGGATTAAATCTTCAAGGAAGAGCAGAAACCTGGAAGC 1740
QY 1741 CAGCAATTTCTGACACTGAGAATGAAGATATCAGTGTGACGAACAAATATGACTCAG 1800
DB 1741 CAGCAATTTCTGACACTGAGAATGAAGATATCAGTGTGACGAACAAATATGACTCAG 1800
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QY 1801 AAGCAATTTTGTGAAGAACAGAACACACTGGATATTTACACGATGAGATTTCTGATTCATGAA 1860
DB 1801 AAGCAATTTTGTGAAGAACAGAACACACTGGATATTTACACGATGAGATTTCTGATTCATGAA 1860
QY 1861 GAAAGCAGATAGAAAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTCTAGTTGTGAAGAAA 1920
DB 1861 GAAAGCAGATAGAAAGTGGTTGAAAAAATGAATTTCTGAGCTTTCTTCTAGTTGTGAAGAAA 1920
QY 1921 GAAAAACATCTTTCATGAAATAGTACGTTGCGGAGAAATTTGCCATGCTTAAGACTG 1980
DB 1921 GAAAAACATCTTTCATGAAATAGTACGTTGCGGAGAAATTTGCCATGCTTAAGACTG 1980
QY 1981 GAGCTAGACACAATGAACACATCAGACGAGCTAAAAAATAAAAAAATAAAAAAATAAAAAA 2040
DB 1981 GAGCTAGACACAATGAACACATCAGACGAGCTAAAAAATAAAAAAATAAAAAAATAAAAAA 2040
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RESULT 5

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US-10-010-940-375
; Sequence 375 Application US/10010940
; Publication No. US20030088062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010,940
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-010-940-375
```

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Query Match 100.0%; Score 2040; DB 9; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGTTGTTGAGTTGATTCATGCGGCTGCCTCTTCTGTGAAGAGCCATTTGGTCTC 60
DB 1 ATGTTGTTGAGTTGATTCATGCGGCTGCCTCTTCTGTGAAGAGCCATTTGGTCTC 60
QY 61 AGAGCAAGATGGCAAGTGGTGTGCTGCGCTGCTTCCCTGCTCAGGAGAGCGGCAAG 120
DB 61 AGAGCAAGATGGCAAGTGGTGTGCTGCGCTGCTTCCCTGCTCAGGAGAGCGGCAAG 120
QY 121 AGCAACTGGGCACTTCTGAGACCCAGCAGACTCTCTATGAAGACACTCAGGAGCAAG 180
DB 121 AGCAACTGGGCACTTCTGAGACCCAGCAGACTCTCTATGAAGACACTCAGGAGCAAG 180
QY 181 ATGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
DB 181 ATGGCAAGTGGTGGCGCCACTGCTTCCCTGCTGAGGGGAGTGGCAAGCAAGCTG 240
QY 241 GGGCTTCTGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
DB 241 GGGCTTCTGAGACCCAGCAGACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG 300
QY 301 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGGTGGCGCTGG 360
DB 301 TGGTGTGCTGCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGGTGGCGCTGG 360
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QY 361 GGAGACTAGATGACAGTGCCTTTCATGGAGCCAGGTACCAGTCCGTGGAGAGATCTG 420
DB 361 GGAGACTAGATGACAGTGCCTTTCATGGAGCCAGGTACCAGTCCGTGGAGAGATCTG 420
QY 421 GACAGCTCCAGAGCTGCCTTGGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480
DB 421 GACAGCTCCAGAGCTGCCTTGGGGTAAAGTCCCGAGAAAGATCTCATCTGTCATG 480
QY 481 CTGAGGACACTGAGTGAACAAAGAGGACAGCAAGCAAAAGAGAGCTGCTCTACATCTGGCC 540
DB 481 CTGAGGACACTGAGTGAACAAAGAGGACAGCAAGCAAAAGAGAGCTGCTCTACATCTGGCC 540
QY 541 TCTGCCAATGGGAATTCAGAGTAGTAAATCTCTGCTGGACAGAGATGTCACCTTAAT 600
DB 541 TCTGCCAATGGGAATTCAGAGTAGTAAATCTCTGCTGGACAGAGATGTCACCTTAAT 600
QY 601 GTCCTTGACAAACAAAGAGGACAGCTCTGATAAGGCGGTACAAATGCCAGGAGATGAA 660
DB 601 GTCCTTGACAAACAAAGAGGACAGCTCTGATAAGGCGGTACAAATGCCAGGAGATGAA 660
QY 661 TGTGGGTTAATGTTGCTGGAACTGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720
DB 661 TGTGGGTTAATGTTGCTGGAACTGGCACTGATCCAAATATTTCCAGATGAGTATGGAAT 720
QY 721 ACCACTCTGCACTAGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
DB 721 ACCACTCTGCACTAGCTATCTATAAGAGATAAATTAATGGCCAAAGCACTGCTCTTA 780
QY 781 TATGGTCTGATATCGAATCAAAACAAAGCATGGCTCCACACCTGTTACTTGGTGTA 840
DB 781 TATGGTCTGATATCGAATCAAAACAAAGCATGGCTCCACACCTGTTACTTGGTGTA 840
QY 841 CATGAGCAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
DB 841 CATGAGCAAAACAGCAAGTCTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA 900
QY 901 CTGATAGATATGGAAGGACTGCTCTCATATCTGCTGATGTTGGATGAGCAAGTATA 960
DB 901 CTGATAGATATGGAAGGACTGCTCTCATATCTGCTGATGTTGGATGAGCAAGTATA 960
QY 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTCTCAAGATCTATCTGGACAGCG 1020
DB 961 GTGAGCTTCTACTTGGAGCAAAATATGATGATCTCTCAAGATCTATCTGGACAGCG 1020
QY 1021 GCCAGAGATATGCTGTTTCTAGTATCATCATGTAATTTGCCAGTACTTCTGACTAC 1080
DB 1021 GCCAGAGATATGCTGTTTCTAGTATCATCATGTAATTTGCCAGTACTTCTGACTAC 1080
QY 1081 AAAGAAAAACAGATGCTAAAAATCTCTTGAACAGCAATCCAGAACAGACTTAAAG 1140
DB 1081 AAAGAAAAACAGATGCTAAAAATCTCTTGAACAGCAATCCAGAACAGACTTAAAG 1140
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QY 1201 ATGCTCAAGAACAGAAATTAATAGGATGTTGATAGAGGTTGAAGAGAAATGAAG 1260
DB 1201 ATGCTCAAGAACAGAAATTAATAGGATGTTGATAGAGGTTGAAGAGAAATGAAG 1260
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DB 1321 AATGGTGAATATGATTAATCTCAAGAGAGGAGAGACACCTGAAATCAGCAATTT 1380
QY 1381 CTTGACAAACAGAGTGAAGAGTATCAGAGAAATTTGGGAATTTAGTTCTGACTCAAGAA 1440
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QY 1441 AAAACAGATGCCAAATATCTTTCTGAAAAACAGCAACCCAGAACCAAGACTTAAAGCTGACA 1500
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QY 1501 TCAGAGGAGAGTACAAAGGCTTTGAGGGCAGTGAATATGAGGAGAGAGAGAGATCT 1560
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QY 1621 GAAATGAAGAGACCGGAACTCATGTGCGAATTCAGAGAAACCTGACTAATGCTGCC 1680
DB 1621 GAAATGAAGAGACCGGAACTCATGTGCGAATTCAGAGAAACCTGACTAATGCTGCC 1680
QY 1681 ACTGCTGCAATGCTGATGATGATTAATTTCTCAAGGAGAGAGAGAGAGAGAGC 1740
DB 1681 ACTGCTGCAATGCTGATGATGATTAATTTCTCAAGGAGAGAGAGAGAGAGAGC 1740
QY 1741 CAGCAATTTCTGACACTGAGAAATGAAGAGTATCACAGTGAACCAAAATGATCTCAG 1800
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DB 1801 AAGCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAGATTTCTGATTCATGAA 1860
QY 1861 GAAAGCAGATAGAGTGGTGTGAAAAATGAAATTTCTGAGCTTTCTTTAGTTGAAGAAA 1920
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QY 1921 GAAAAACACATCTTGCATGAAATAGTACGTTGCGGAGAGAAATGCGCATGCTAAGACTG 1980
DB 1921 GAAAAACACATCTTGCATGAAATAGTACGTTGCGGAGAGAAATGCGCATGCTAAGACTG 1980
QY 1981 GAGCTAGACACAATGAACATCAGAGCCAGCTAAAAAAGAGAGAGAGAGAGAGAGAG 2040
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RESULT 6
US-09-825-301-7
; Sequence 7, Application US/09825301
; Patent No. US20020009738A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, David C.
; APPLICANT: Molesh, David A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Zehentner, Barbara
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION
; FILE OF INVENTION: AND MONITORING OF BREAST CANCER
; FILE REFERENCE: 210121.513
; CURRENT APPLICATION NUMBER: US/09/825,301
; CURRENT FILING DATE: 2001-04-02
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-825-301-7

Query Match 100.0%; Score 2040; DB 10; Length 2040;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGTGGTGGAGTTCATGCTCCATGCGGCTGCTCTTCTGTGAAGAGCAATTTGGTCTC 60
DB 1 ATGGTGGTGGAGTTCATGCTCCATGCGGCTGCTCTTCTGTGAAGAGCAATTTGGTCTC 60


```

, APPLICANT: Retter, Marc W.
, APPLICANT: Stolk, John A.
, APPLICANT: Day, Craig H.
, APPLICANT: Vedvick, Thomas S.
, APPLICANT: Carter, Darrick
, APPLICANT: Li, Samuel
, APPLICANT: Wang, Aijun
, APPLICANT: Steiky, Yasir A.W.
, APPLICANT: Hopley, William
, TITLE OF INVENTION: COMPOSITIONS
, FILE OF INVENTION: DIAGNOSIS
, FILE REFERENCE: 210121.427C23
, CURRENT APPLICATION NUMBER: US
, CURRENT FILING DATE: 2001-01-
, NUMBER OF SEQ ID NOS: 334
, SOFTWARE: FastSeq for Windows
, SEQ ID NO 375
, LENGTH: 2040
, TYPE: DNA
, ORGANISM: Homo sapien
US-09-759-143-375.

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Query Match	100.0%;	Score 2040;	DB 10;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative	0;	Mismatches	0;
			Indels	Gaps
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QY	61	AGGAGCAAGATGGGCAAGTGCTGCGCTTGCTTCCCTCTGTCAGGAGAGACGGCAAG	120	
DB	61	AGGAGCAAGATGGGCAAGTGCTGCGCTTGCTTCCCTCTGTCAGGAGAGACGGCAAG	120	
QY	121	AGCAACGTGGCACTTCTGGAGACCAAGACGACTCTGCTATGAGACACTCAGGAGCAAG	180	
DB	121	AGCAACGTGGCACTTCTGGAGACCAAGACGACTCTGCTATGAGACACTCAGGAGCAAG	180	
QY	181	ATGGGCAAGTGGTGGCGCCCACTGCTTCCCTGCTGACGGGGAGTGCAAGACGACGCTG	240	
DB	181	ATGGGCAAGTGGTGGCGCCCACTGCTTCCCTGCTGACGGGGAGTGCAAGACGACGCTG	240	
QY	241	GGCGCTTCTGGAGACAACGACGACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG	300	
DB	241	GGCGCTTCTGGAGACCACGACGACTCTGCTATGAAGACACTCAGGAAACAGATGGGCAAG	300	
QY	301	TGGTGTGTGCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGTGGCGCTTGG	360	
DB	301	TGGTGTGTGCACTGCTTCCCTGCTGAGGGGAGCGGCAAGAGCAAGTGGCGCTTGG	360	
QY	361	GGAGACTACGATGACAGTGCCTTCATGAGGCCAGGTACCACTCGTGGAGAAATCTG	420	
DB	361	GGAGACTACGATGACAGTGCCTTCATGAGGCCAGGTACCACTCGTGGAGAAATCTG	420	
QY	421	GACAACTCCACAGAGCTGCTGGTGGGTAAAGTCCCAGAAAGGATCTCATCGCTCATG	480	
DB	421	GACAACTCCACAGAGCTGCTGGTGGGTAAAGTCCCAGAAAGGATCTCATCGCTCATG	480	
QY	481	CTCAGGACACTGACGTGAACAGAGGACCAAGAAAGAGGAGCTGCTTACATCTGGCC	540	
DB	481	CTCAGGACACTGACGTGAACAGAGGACCAAGAAAGAGGAGCTGCTTACATCTGGCC	540	
QY	541	TCTGCCAATGGGAATTCAGAACTAGTAAACTCTCTGGACAGACGATGTCAACTTAAT	600	
DB	541	TCTGCCAATGGGAATTCAGAACTAGTAAACTCTCTGGACAGACGATGTCAACTTAAT	600	
QY	601	GTCCCTTGACAAACAAAGAGGACGCTGTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660	
DB	601	GTCCCTTGACAAACAAAGAGGACGCTGTGATAAAGGCCGTACAATGCCAGGAAGATGAA	660	
QY	661	TGTGGTAAATGCTGCTGGAACATGGCACTGATCCCAATATTTCCAGATGATGAAAT	720	
DB	661	TGTGGTAAATGCTGCTGGAACATGGCACTGATCCCAATATTTCCAGATGATGAAAT	720	

Qy	721	ACCACTCTGCAC	TACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCAC	TGCTCTTA	780
Db	721	ACCACTCTGCAC	TACGCTATCTATAATGAAGATAAAATTAATGGCCAAAGCAC	TGCTCTTA	780
Qy	781	TATGGTCTGATATCGAATCAAAAAACAACATGGCTCA	CACCACCTGTTACTTGGTGTA	840	
Db	781	TATGGTCTGATATCGAATCAAAAAACAACATGGCTCA	CACCACCTGTTACTTGGTGTA	840	
Qy	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA	900		
Db	841	CATGAGCAAAAAACAGCAAGTCGTGAAATTTTAAATCAAGAAAAAGCGAATTTAAATGCA	900		
Qy	901	CTGATATGATATGGAAGGACGTCTCATACTTGTCTGATATTTGTGGATCAGCAAGTATA	960		
Db	901	CTGATATGATATGGAAGGACGTCTCATACTTGTCTGATATTTGTGGATCAGCAAGTATA	960		
Qy	961	GTCAAGCCTTCTACTTGAAGCAAAATATGATGTTATCTCTCAAGATCTATCTGACAGACG	1020		
Db	961	GTCAAGCCTTCTACTTGAAGCAAAATATGATGTTATCTCTCAAGATCTATCTGACAGACG	1020		
Qy	1021	GCCAGAGATATGCTGTTTCTAGTCATCATCTGTAATTTGCCAGTTACTTTCTGACTAC	1080		
Db	1021	GCCAGAGATATGCTGTTTCTAGTCATCATCTGTAATTTGCCAGTTACTTTCTGACTAC	1080		
Qy	1081	AAAGAAAAACAGATGCTAAAAATCTCTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140		
Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTCTGAAAAACAGCAATCCAGAAACAGACTTTAAG	1140		
Qy	1141	CTGACATCAGAGAAAGTCAAAAGGTTCAAAGGAGTGAAAAATAGCCAGCCAGAGAA	1200		
Db	1141	CTGACATCAGAGAAAGTCAAAAGGTTCAAAGGAGTGAAAAATAGCCAGCCAGAGAA	1200		
Qy	1201	ATGTCTCAAGAACAGAAATAAATAAGGATGGTGATAGAGAGGTTCAAGAGAAATGAAG	1260		
Db	1201	ATGTCTCAAGAACAGAAATAAATAAGGATGGTGATAGAGAGGTTCAAGAGAAATGAAG	1260		
Qy	1261	AAGCATGAAAGTAAATATGTGGATTACTAGAAAACTGACTAATGGTGCACTGCTGGC	1320		
Db	1261	AAGCATGAAAGTAAATATGTGGATTACTAGAAAACTGACTAATGGTGCACTGCTGGC	1320		
Qy	1321	AATGGTGATATGGATTAAATCTCTAAAGGAAGAGCAGAAACCTGAAAATCAGCAATTT	1380		
Db	1321	AATGGTGATATGGATTAAATCTCTAAAGGAAGAGCAGAAACCTGAAAATCAGCAATTT	1380		
Qy	1381	CCTGACAAAGAAAGTCAAGAGTATCAGAAATTTGCGAATTAGTTTCTGACTACAAAGAA	1440		
Db	1381	CCTGACAAAGAAAGTCAAGAGTATCAGAAATTTGCGAATTAGTTTCTGACTACAAAGAA	1440		
Qy	1441	AAAACAGATGCCAAAATACCTCTCTGAAAAACAGCAACCCAGAAACAGACTTTAAAGCTGACA	1500		
Db	1441	AAAACAGATGCCAAAATACCTCTCTGAAAAACAGCAACCCAGAAACAGACTTTAAAGCTGACA	1500		
Qy	1501	TCAGAGGAAGTCAAAAGGTTGAGGGCAGTGAAAAATGGCCAGCCAGAGAAAAAGATCT	1560		
Db	1501	TCAGAGGAAGTCAAAAGGTTGAGGGCAGTGAAAAATGGCCAGCCAGAGAAAAAGATCT	1560		
Qy	1561	CAAGAACCAAGAAATAAATAAGGATGGTGATAGAGAGTATGAAAAATTTATGCTATCGAA	1620		
Db	1561	CAAGAACCAAGAAATAAATAAGGATGGTGATAGAGAGTATGAAAAATTTATGCTATCGAA	1620		
Qy	1621	GAAATGAAGAAGCAGGAAGTACTCATGTGCGATTCCCAAGAAAACTGACTAATGTGGCC	1680		
Db	1621	GAAATGAAGAAGCAGGAAGTACTCATGTGCGATTCCCAAGAAAACTGACTAATGTGGCC	1680		
Qy	1681	ACTGTGGCAATGGTGATGATGGAATTAATTTCTCCAAGGAAGAGCAGAAACCTGAAAGC	1740		
Db	1681	ACTGTGGCAATGGTGATGATGGAATTAATTTCTCCAAGGAAGAGCAGAAACCTGAAAGC	1740		
Qy	1741	CAGCAATTTCTGACACTGAGAAATGAGAGTATCAGTGACGAACAAATGATACTGAG	1800		
Db	1741	CAGCAATTTCTGACACTGAGAAATGAGAGTATCAGTGACGAACAAATGATACTGAG	1800		

Qy	1801	AAGCAATTTTGTGAAGAACAGAACATCGGAATATTACACGATGAGATTCGATTGATGAA	1860
Db	1801	AAGCAATTTTGTGAAGAACAGAACATCGGAATATTACACGATGAGATTCGATTGATGAA	1860
Qy	1861	GAAAGCAGAGATAGAAAGTGGTTGAAAAAATGAAATTCGAGCTTTCTCTTAGTTGTTGAAGAA	1920
Db	1861	GAAAGCAGAGATAGAAAGTGGTTGAAAAAATGAAATTCGAGCTTTCTCTTAGTTGTTGAAGAA	1920
Qy	1921	GAAAAAGACATCTTGCAATGAAAAATAGTAGCTTGGCGGAAGAAATTCGATGCTGTAAGACTG	1980
Db	1921	GAAAAAGACATCTTGCAATGAAAAATAGTAGCTTGGCGGAAGAAATTCGATGCTGTAAGACTG	1980
Qy	1981	GAGCTAGACACAATGAACAATCAGAGCCAGCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	2040
Db	1981	GAGCTAGACACAATGAACAATCAGAGCCAGCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA	2040

RESULT 8

US-09-780-669-375
; Sequence 375, Application US/097806669

; FACILE NO: 092002003
; GENERAL INFORMATION:

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/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, Kevin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yuqi
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darrick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeely, Yasir A.W.
/ APPLICANT: Hepler, William
/ APPLICANT: Hurel, John
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Houghton, Raymond L.
/ TITLE OF INVENTION: COMPOSITIONS OF MATTER FOR THE TREATMENT OF
/ TITLE OF INVENTION: DIAGNOSIS OF
/ FILE REFERENCE: 210121.427C24
/ CURRENT APPLICATION NUMBER: US/0
/ CURRENT FILING DATE: 2001-02-09
/ NUMBER OF SEQ ID NOS: 943
/ SOFTWARE: FastSeq for Windows V

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ORGANISM: Homo sapien
US-09-780-669-375

Query Match	100.0%;	Score 2040;	DB 10;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative	0;	Mismatches	0;
			Indels	0;
			Gaps	0;

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Qy	241	GGCGCTTCGGAGACCAGCAGCACTCTGCTATGAAGACACTCAGGAACAAGATGGGCAAG	300
Db	241	GGCGCTTCGGAGACCAGCAGCACTCTGCTATGAAGACACTCAGGAACAAGATGGGCAAG	300
Qy	301	TGTTGCTGCCACTGCTTCCCTGCTCAGGGGGAGCGCAAGCAAGGTGGGCGCTTGG	360
Db	301	TGTTGCTGCCACTGCTTCCCTGCTCAGGGGGAGCGCAAGCAAGGTGGGCGCTTGG	360
Qy	361	GGAGACTACGATGACGTGCTTCATCGAGCCCAAGTACCACGTCCTGGAGAAGATCTG	420
Db	361	GGAGACTACGATGACGTGCTTCATCGAGCCCAAGTACCACGTCCTGGAGAAGATCTG	420
Qy	421	GACAAGCTCCACAGAGTGTCTGGTGGGTAAAGTCCCAAGAAAGGATCTCATCTCATG	480
Db	421	GACAAGCTCCACAGAGTGTCTGGTGGGTAAAGTCCCAAGAAAGGATCTCATCTCATG	480
Qy	481	CTCAGGGACACTGACGTGAACAAGAGGACAAGCAAAAGAGGACTGCTACATCTGGCC	540
Db	481	CTCAGGGACACTGACGTGAACAAGAGGACAAGCAAAAGAGGACTGCTACATCTGGCC	540
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Db	901	CTGATAGATATGGAAGGACTGCTCTCATACTTGTGCTGATGTTGTGGATCAGCAAGTATA	960
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Qy	1021	GCCAGAGATGCTGTTTTCTAGTCAATCATCATGTAATTTGCCAGTTACTTTCTGACTAC	1080
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Qy	1081	AAAGAAAAACAGATGCTAAAAATCTCTTTGAAAAACAGCAATCCAGAAACAAGACTTAAAG	1140
Db	1081	AAAGAAAAACAGATGCTAAAAATCTCTTTGAAAAACAGCAATCCAGAAACAAGACTTAAAG	1140
Qy	1141	CTGACATCAGAGGAAGTCCAAAAGGTTCAAAGGCGATGAAAATAGCCAGCCAGAGAAA	1200
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Qy	1201	ATGTCTCAAGAACCCAGAAATATAAAGGATGGTGATAGAGAGGTTGAAGAAAGAAATGAAG	1260
Db	1201	ATGTCTCAAGAACCCAGAAATATAAAGGATGGTGATAGAGAGGTTGAAGAAAGAAATGAAG	1260
Qy	1261	AAGCATGAAAGTAAATATGTTGGATTACTAGAAAACTGACTAATGGTGTACTGTGCG	1320
Db	1261	AAGCATGAAAGTAAATATGTTGGATTACTAGAAAACTGACTAATGGTGTACTGTGCG	1320

QY 1321 AATGGTGATATGATTAATTTCTCAAGGAGAGCAGACACCTGAAATCAGCAATTT 1380
Db 1321 AATGGTGATATGATTAATTTCTCAAGGAGAGCAGACACCTGAAATCAGCAATTT 1380
QY 1381 CTTGACAAAGAAAGTGAAGAGTATCAGAGAAATTTGCGAAATAGTTTCTGACTCAAGAA 1440
Db 1381 CTTGACAAAGAAAGTGAAGAGTATCAGAGAAATTTGCGAAATAGTTTCTGACTCAAGAA 1440
QY 1441 AAACAGATGCCAAATATCTCTTCTGAAACAGCAACCCAGAAACAAGACTTTAAAGCTGACA 1500
Db 1441 AAACAGATGCCAAATATCTCTTCTGAAACAGCAACCCAGAAACAAGACTTTAAAGCTGACA 1500
QY 1501 TCAGAGGAAGAGTCAAAAAGCTTTGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1560
Db 1501 TCAGAGGAAGAGTCAAAAAGCTTTGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1560
QY 1561 CAAGAACCCAGAAATAATTAAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1620
Db 1561 CAAGAACCCAGAAATAATTAAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1620
QY 1621 GAAATGAAGAGCAGGAAGTACTCATGTCGGATTTCCAGAAACCTGACTTAATGTTGCC 1680
Db 1621 GAAATGAAGAGCAGGAAGTACTCATGTCGGATTTCCAGAAACCTGACTTAATGTTGCC 1680
QY 1681 ACTGCTGCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1740
Db 1681 ACTGCTGCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1740
QY 1741 CAGCAATTTCTGACACTGAGATGAAGAGTATCAGAGTGAAGTATGATGATGATGATGATGATG 1800
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QY 1801 AAGCAATTTTGAAGAACAGAACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
Db 1801 AAGCAATTTTGAAGAACAGAACTGGAATATTACAGATGAGATTTCTGATTCATGAA 1860
QY 1861 GAAAGCAGATGAAGTGGTGAAGAAATGAAATTTCTGAGCTTTCTTTAGTTGTAAGAA 1920
Db 1861 GAAAGCAGATGAAGTGGTGAAGAAATGAAATTTCTGAGCTTTCTTTAGTTGTAAGAA 1920
QY 1921 GAAAGCAGATCTTGCATGAAATAGTACGTTGCGGAGAAATTTGCCATGCTAAGACTG 1980
Db 1921 GAAAGCAGATCTTGCATGAAATAGTACGTTGCGGAGAAATTTGCCATGCTAAGACTG 1980
QY 1981 GAGCTAGACAAATGAAACATCAGAGCCAGCTTAAAGAAATTTAAAGAAATTTAAAGAAAT 2040
Db 1981 GAGCTAGACAAATGAAACATCAGAGCCAGCTTAAAGAAATTTAAAGAAATTTAAAGAAAT 2040

RESULT 9

US-09-810-936-303

; Sequence 303, Application US/09810936

; Patent No. US20020068285A1

; GENERAL INFORMATION:

; APPLICANT: Frudakis, Tony N.

; APPLICANT: Reed, Steven G.

; APPLICANT: Smith, John M.

; APPLICANT: Misher, Linda E.

; APPLICANT: Dillon, Devin C.

; APPLICANT: Retter, Marc W.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Dav, Craig H.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

; TITL OF INVENTION: THERAPY AND DIAGNOSIS OF BREAST CANCER

; FILE REFERENCE: 210121.419C11

; CURRENT APPLICATION NUMBER: US/09/810.936

; CURRENT FILING DATE: 2001-03-16

; NUMBER OF SEQ ID NOS: 334

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 303

; LENGTH: 2040

; TYPE: DNA

; ORGANISM: Homo sapien

; US-09-810-936-303

Query Match

Best Local Similarity 100.0%; Score 2040; DB 10; Length 2040;

Matches 2040; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGGTTGAGTTGATTTCCATGCCGGTCTCTTCTGTGAGAGCAATTTGGTCTC 60

Db 1 ATGGTGGTTGAGTTGATTTCCATGCCGGTCTCTTCTGTGAGAGCAATTTGGTCTC 60

QY 61 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTGTCTCCCTGTGAGGAGAGCGCAAG 120

Db 61 AGGAGCAAGATGGGCAAGTGGTCTGCCCTTGTCTCCCTGTGAGGAGAGCGCAAG 120

QY 121 AGCAAGTGGGCACTTTCTGGAGACCAAGCACTCTGTCTATGAAGACACTCAGGAGCAAG 180

Db 121 AGCAAGTGGGCACTTTCTGGAGACCAAGCACTCTGTCTATGAAGACACTCAGGAGCAAG 180

QY 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGTGAGGAGAGTGGCAAGCAAGCTG 240

Db 181 ATGGGCAAGTGGTGGCGGCACTGCTTCCCTGTGAGGAGAGTGGCAAGCAAGCTG 240

QY 241 GGCGCTTCTGGAGACCAAGCACTCTGTCTATGAAGACACTCAGGAGCAAGATGGCAAG 300

Db 241 GGCGCTTCTGGAGACCAAGCACTCTGTCTATGAAGACACTCAGGAGCAAGATGGCAAG 300

QY 301 TGGTCTGCCACTGCTTCCCTGTGAGGAGAGCGGCAAGCAAGAGTGGCGCTTGG 360

Db 301 TGGTCTGCCACTGCTTCCCTGTGAGGAGAGCGGCAAGCAAGAGTGGCGCTTGG 360

QY 361 GGAGACTAGATGACAGTGGCTTCTATGAGGCCACAGTACCACTCGTGGAGAGATCTG 420

Db 361 GGAGACTAGATGACAGTGGCTTCTATGAGGCCACAGTACCACTCGTGGAGAGATCTG 420

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961	Db	GT	CAGCGCTTCTACTCTGCGAAATAATATGATGTAATCTTCTCAAGATCTATCTCGACAGACG	1020
1021	Qy	GC	CAGAGAGTATGCTCTTTCTAGTCATCATCTGTAATATGCGCAGTCTACTTTCTGACTAC	1080
1021	Db	GC	CAGAGAGTATGCTCTTTCTAGTCATCATCTGTAATATGCGCAGTCTACTTTCTGACTAC	1080
1081	Qy	AA	AGAAAAACAGATGCTTAAATCTCTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG	1140
1081	Db	AA	AGAAAAACAGATGCTTAAATCTCTCTGAAAAACAGCAATCCAGAAACAGACTTAAAG	1140
1141	Qy	CT	GACATCAGAGGAGAGTCACAAAGGTTCAAAGGAGTGAATAAGCCAGCCAGAGAAA	1200
1141	Db	CT	GACATCAGAGGAGAGTCACAAAGGTTCAAAGGAGTGAATAAGCCAGCCAGAGAAA	1200
1201	Qy	AT	GTCCTCAAGAACCGAATAAATAAGATGTTGATAGAGAGGTTGAAGAAGAAATGAAG	1260
1201	Db	AT	GTCCTCAAGAACCGAATAAATAAGATGTTGATAGAGAGGTTGAAGAAGAAATGAAG	1260
1261	Qy	AA	GATGAAAGTAATAATGTGGATTACTAGAAAACTTGACTTAATGGTCTCACTGCTGGC	1320
1261	Db	AA	GATGAAAGTAATAATGTGGATTACTAGAAAACTTGACTTAATGGTCTCACTGCTGGC	1320
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1321	Db	AA	TGTTGATAATGGATTAAATTCCTCAAAGGAAGAGCAGAACACCTGAAAAATCAGCAATTT	1380
1381	Qy	CT	GACACGAAAGTGAAGATATCACAGAAATTTGGGAATTTAGTTTCTGACTACAAGAA	1440
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1501	Db	TC	AGGAAGAGTCAAAAGGCTTGAGGCGATGAAAAATGGCCAGCCAGAGAAAAAGATCT	1560
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1741	Qy	CAG	CAATTTCTGACACTCAGAAATGAAGAGTATCACAGTGACGAAACAAATCATCTCAG	1800
1741	Db	CAG	CAATTTCTGACACTCAGAAATGAAGAGTATCACAGTGACGAAACAAATCATCTCAG	1800
1801	Qy	AA	GCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAGATCTCGATTCATGAA	1860
1801	Db	AA	GCAATTTTGTGAAGAACAGAACACTGGAATATTACACGATGAGATCTCGATTCATGAA	1860
1861	Qy	GA	AAAGCAGATAGAGTGGTTGAAAAATGAAATCTGAGCTTCTCTTAGTTGTAAGAA	1920
1861	Db	GA	AAAGCAGATAGAGTGGTTGAAAAATGAAATCTGAGCTTCTCTTAGTTGTAAGAA	1920
1921	Qy	GA	AAAGACATCTTGATGAAATATGATGTTGCGGGAAGAAATGGCCATGCTAAGACTG	1980
1921	Db	GA	AAAGACATCTTGATGAAATATGATGTTGCGGGAAGAAATGGCCATGCTAAGACTG	1980
1981	Qy	GAG	CTAGACAATGAAACATCAGAGCCAGCTAAAAAAGAAAAAAGAAAAAAGAAAAA	2040
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RESULT 10
US-09-822-827-375
; Sequence 375, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 375
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-375

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Query Match	100.0%	Score 2040;	DB 10;	Length 2040;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2040;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	ATGTTGGTTGAGTTGATTCATCGCGCTGCTCTTCTGTGAAGAGCCATTGGTCTC	60	
DB	1	ATGTTGGTTGAGTTGATTCATCGCGCTGCTCTTCTGTGAAGAGCCATTGGTCTC	60	
QY	61	AGGAGCAAGATGGCAAGTGCTGCGTGTCTTCCCTCTGTCAGGGAGCGGCAAG	120	
DB	61	AGGAGCAAGATGGCAAGTGCTGCGTGTCTTCCCTCTGTCAGGGAGCGGCAAG	120	
QY	121	AGCAACGTGGGCACCTCTGTGAGACACACGACACTCTGCTATGAACACTCAGGAGCAAG	180	
DB	121	AGCAACGTGGGCACCTCTGTGAGACACACGACACTCTGCTATGAACACTCAGGAGCAAG	180	
QY	181	ATGGCAAGTGGTGCGGCCACTGTCTTCCCTGTCTGAGGGGAGTGGCAAGCAACGTG	240	
DB	181	ATGGCAAGTGGTGCGGCCACTGTCTTCCCTGTCTGAGGGGAGTGGCAAGCAACGTG	240	
QY	241	GGCGCTCTGGAGACCCAGCAGCTCTGCTATGAAGACACTCAGGAACAAGTGGCAAG	300	
DB	241	GGCGCTCTGGAGACCCAGCAGCTCTGCTATGAAGACACTCAGGAACAAGTGGCAAG	300	
QY	301	TGTTGCTGCCACTGCTTCCCTGTCTGAGGGGAGCGGCAAGCAAGTGGCGCTTGG	360	
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QY	361	GGAGACTACGATGACAGTGCTTCCATGAGGCCAGGTACCAAGTGGGAGAGATCTG	420	
DB	361	GGAGACTACGATGACAGTGCTTCCATGAGGCCAGGTACCAAGTGGGAGAGATCTG	420	
QY	421	GACAAGCTCCACAGAGTGCCTGTGGGTAAAGTCCCCAGAAAGGATCTCATGCTCATG	480	
DB	421	GACAAGCTCCACAGAGTGCCTGTGGGTAAAGTCCCCAGAAAGGATCTCATGCTCATG	480	
QY	481	CTCAGGACACTGACGTGAAACAAGAGACAAAGAGGAGCTGCTTACATCTGGCC	540	
DB	481	CTCAGGACACTGACGTGAAACAAGAGACAAAGAGGAGCTGCTTACATCTGGCC	540	
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DB	541	TCTGCCAATGGGAATTCAGAAAGTAGTAAATCTCTGTGGAGACAGCATGTCACCTTAAT	600	
QY	601	GTCCTTGACACAAAAGAGACAGCTCTGATNAAGCCGTACATGCCAGGAGATGAA	660	
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QY	661	TGTGGTTAAATGTTGCTGGAACTGGCACTCATCCAAATATTCAGATGAGTATGGAAT	720	
DB	661	TGTGGTTAAATGTTGCTGGAACTGGCACTCATCCAAATATTCAGATGAGTATGGAAT	720	
QY	721	ACCACTCTGCACTACGCTATCTATAATGAAGATAAATTAATGGGCAAGCACTGCTCTTA	780	


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; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yaeir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Basols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 374
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-012-896-374

Query Match      95.1%; Score 1940; DB 9; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

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RESULT 15

US-09-895-814-374
; Sequence 374, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 374
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-895-814-374

Query Match 95.1%; Score 1940; DB 9; Length 2000;
Best Local Similarity 97.8%; Pred. No. 0;
Matches 1995; Conservative 0; Mismatches 0; Indels 45; Gaps 1;

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Db 1321 AATGGTGAATAAGTGAATAAGTGAATAAGTGAATAAGTGAATAAGTGAATAAGTGAATAAG 1380
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Db 1381 CCTGACAAAGAGTGAAGAGTATCAGAGATTTGCGAATTTGCGAATTTGCGAATTTGCGAAT 1440
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